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# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS

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KATHLEEN RUCKMAN  
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October 1947

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## CONTENTS

	<u>Page</u>
Student Objectives .....	1
Student Plans and Student Guidance .....	1
Curricula as Educational Programs .....	3
Curriculum in Agriculture .....	6
Suggested Majors:	
Agricultural Marketing .....	7
Animal or Poultry Science .....	7
Dairy Production .....	8
Farm Management and Farm Finance .....	8
Pomology .....	9
Rural Group Leadership .....	9
Soil Conservation .....	10
Vegetable Crop Production .....	10
Five-Year Plan - General Agriculture	
and Agricultural Engineering .....	11
Preforestry Curriculum .....	13
Preveterinary Requirements .....	15
Curriculum in Dairy Technology .....	16
Curriculum in Floriculture .....	17
Curriculum in Food Technology .....	18
Curriculum in Vocational Agriculture .....	20

CHAPTER

1	THE HISTORY OF THE
2	THE HISTORY OF THE
3	THE HISTORY OF THE
4	THE HISTORY OF THE
5	THE HISTORY OF THE
6	THE HISTORY OF THE
7	THE HISTORY OF THE
8	THE HISTORY OF THE
9	THE HISTORY OF THE
10	THE HISTORY OF THE
11	THE HISTORY OF THE
12	THE HISTORY OF THE
13	THE HISTORY OF THE
14	THE HISTORY OF THE
15	THE HISTORY OF THE
16	THE HISTORY OF THE
17	THE HISTORY OF THE
18	THE HISTORY OF THE
19	THE HISTORY OF THE
20	THE HISTORY OF THE
21	THE HISTORY OF THE
22	THE HISTORY OF THE
23	THE HISTORY OF THE
24	THE HISTORY OF THE
25	THE HISTORY OF THE
26	THE HISTORY OF THE
27	THE HISTORY OF THE
28	THE HISTORY OF THE
29	THE HISTORY OF THE
30	THE HISTORY OF THE
31	THE HISTORY OF THE
32	THE HISTORY OF THE
33	THE HISTORY OF THE
34	THE HISTORY OF THE
35	THE HISTORY OF THE
36	THE HISTORY OF THE
37	THE HISTORY OF THE
38	THE HISTORY OF THE
39	THE HISTORY OF THE
40	THE HISTORY OF THE
41	THE HISTORY OF THE
42	THE HISTORY OF THE
43	THE HISTORY OF THE
44	THE HISTORY OF THE
45	THE HISTORY OF THE
46	THE HISTORY OF THE
47	THE HISTORY OF THE
48	THE HISTORY OF THE
49	THE HISTORY OF THE
50	THE HISTORY OF THE
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60	THE HISTORY OF THE
61	THE HISTORY OF THE
62	THE HISTORY OF THE
63	THE HISTORY OF THE
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65	THE HISTORY OF THE
66	THE HISTORY OF THE
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68	THE HISTORY OF THE
69	THE HISTORY OF THE
70	THE HISTORY OF THE
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92	THE HISTORY OF THE
93	THE HISTORY OF THE
94	THE HISTORY OF THE
95	THE HISTORY OF THE
96	THE HISTORY OF THE
97	THE HISTORY OF THE
98	THE HISTORY OF THE
99	THE HISTORY OF THE
100	THE HISTORY OF THE

## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program and graduate. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way just aren't going any place. They have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944



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They would be asked to provide a written statement of their views on the subject of the hearing. It is requested that the statements be submitted to the hearing officer as soon as possible. The hearing officer will be in contact with the parties to the hearing and will be available to answer any questions. The hearing officer will also be available to receive any additional information that may be submitted. The hearing officer will be in contact with the parties to the hearing and will be available to answer any questions. The hearing officer will also be available to receive any additional information that may be submitted.

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Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau administers and interprets tests and counsels students on personal problems.
2. The faculty adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to give him all possible assistance.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program can be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to the new freshman without consultation because the freshman usually is not acquainted with members of the staff. After the first year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should contact the Associate Dean.

3. The instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The offices and personnel headed by the Dean of Students, including the Dean of Men, the Dean of Women, the Health Service, and the Director of Residence Halls and Student Housing, are ready to serve all students, particularly with relation to problems outside the area of formal education.







### Curricula as Educational Programs

The College of Agriculture has, excluding Home Economics, five curricula leading to degrees and two pre-professional curricula leading, at the end of two years, to entrance upon professional training in other colleges. The four-year curricula are:

1. General Agriculture
2. Dairy Technology
3. Floriculture
4. Food Technology
5. Vocational Agriculture

The two-year pre-professional curricula are:

1. Preforestry
2. Preveterinary

These curricula are educational programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of professional education
3. The basic sciences and, for some fields, mathematics
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. It is suggested that the student use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be done before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

For the recommended time sequence and a statement concerning the work for which the curriculum furnishes appropriate training, refer to the University of Illinois Register. The Register also contains course descriptions.

With the exception of the curriculum in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in general agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training



in agriculture. This is true of a majority of agricultural employments. The general curriculum allows a wide range of individual choice in course selections. Group 1, consisting of 21 semester hours, may be filled with any courses taught in the College of Agriculture. If all are selected in one field or department, the student will have acquired a major in that field. Group 2 allows a broad selection of courses in the social studies or humanities. Another group designated as "open electives" may include any courses in the University not otherwise required, or courses transferred from other institutions that cannot be substituted for specific or group requirements of the curriculum. Some should use these hours to build additional foundations in science and mathematics, some to increase their breadth of training in general education, and still others to take courses in commerce, journalism, etc. Agricultural courses other than those prescribed and additional to Group 1 may also be counted as open electives.

Suggested majors have been worked out for several fields in which graduates have found satisfactory employment. Others can be designed with the help of faculty advisers familiar with the particular field. Those majors which have been approved by the College Committee on Courses and Curricula are included following the curriculum sheet for General Agriculture. As presented, the recommended courses included in each major are in addition to the prescribed courses and can be used in Group 1, Group 2, or as open electives.



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TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940<sup>a/</sup>

Occupational groups	1930		1940	
	Number replying to questionnaire	Percent of all persons replying	Number replying to questionnaire	Percent of all persons replying
<b>Educational workers</b>				
College teachers .....	163	7.8	131	7.8
College administrators .....	6	.3	9	.5
Directors of extension .....	2	.1	11	.7
Extension specialists .....	33	1.1	43	2.6
County agents .....	108	5.0	97	5.8
High-school teachers .....	278	13.3	291	17.2
Coaches .....	9	.4	5	.3
<b>Professional technicians</b>				
Agronomists .....	29	1.4	76	4.5
Bacteriologists .....	1	0	6	.4
Chemists .....	24	1.2	16	1.0
Economists .....	14	.7	18	1.1
Engineers .....	33	1.6	24	1.4
Entomologists .....	13	.6	8	.5
Horticulturists .....	14	.7	5	.3
Statisticians .....	0	0	6	.4
Zoologists .....	0	0	2	.1
U.S.D.A. officials .....	14	.7	23	1.4
Farm Security Administration supervisors .....	0	0	49	2.9
Foresters .....	5	.2	0	0
<b>Subprofessional technicians</b>				
Inspectors .....	12	.6	19	1.1
Butter and ice-cream makers .....	3	.1	5	.3
Herdsmen .....	2	.1	9	.5
Miscellaneous .....	9	.4	2	.1
<b>Business managers and employees</b>				
Industrial managers .....	99	4.8	78	4.6
Wholesale managers .....	39	1.9	69	4.1
Retail managers .....	56	2.7	28	1.7
Buyers .....	18	.9	11	.7
Officers .....	32	1.5	29	1.7
Clerks .....	17	.8	26	1.5
Salesmen and salesmanagers .....	125	6.0	52	3.1
<b>Insurance, loan, real-estate agents</b>				
Insurance salesmen .....	39	1.9	28	1.7
Real-estate salesmen .....	17	.8	17	1.0
Loan agents .....	28	1.3	26	1.5
Bank officials .....	20	1.0	10	.6
Appraisers .....	10	.5	16	1.0
<b>Farmers</b>				
Operators (owners, tenants) .....	459	22.1	240	14.3
Managers .....	58	2.8	48	2.9
Hands .....	0	0	3	.2
<b>Others</b>				
Florists and landscape gardeners .....	157	7.5	36	2.1
Hatcherymen .....	11	.5	5	.3
Lawyers .....	10	.5	8	.5
Doctors and dentists .....	14	.7	9	.5
Ministers .....	9	.4	6	.4
Soldiers .....	6	.3	8	.5
Public officials .....	19	.9	9	.5
Artists and musicians .....	8	.4	0	0
Journalism and advertising .....	51	2.4	32	1.9
Skilled tradesmen .....	3	.1	5	.3
Laborers .....	2	.1	5	.3
Unemployed .....	24	1.1	4	.2
Retired .....	2	.1	1	.1
Students .....	26	1.0	19	1.1
<b>All groups</b> .....	<b>2 107</b>	<b>--</b>	<b>1 683</b>	<b>--</b>

<sup>a/</sup> The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.





UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

Name _____	Curriculum in AGRICULTURE				Date _____
	CREDIT	GRADE		CREDIT	GRADE
Agriculture Prescribed 29 hours			Agriculture - Group 1 Minimum 21 hours		
					SUMMARY Group 1
Agr. Econ. 1 or 20	3				Earned _____ To be earned _____
Agr. Eng. 1	3				
Agron. 1	4				
Agron. 2	5				
An. Sci. 1	3				
An. Sci. 21	3				
Da. Husb. 24a or 24b	3				A minimum of 50 hours of technical agriculture is required for the degree
Hort. 1a	3				
Hort. 1b	2				
Non-Agriculture Prescribed 49-53 hours			Non-Agriculture - Group 2 Minimum 8 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Law, Philos., Pol. Sci., Psych., Rhet., Sociol., Speech		
					Group 2
Accy. 1a or 12	3				Earned _____ To be earned _____
Bact. 5a	3				
Bot. 5	3				
Chem. 1 or 2	5-3				
Chem. 5	5				
Chem. 32	3				
Econ. 1 or 2	5-3		Open Electives		
Entom. 1	3				TOTAL HOURS*
Geol. 44	3				Earned _____
Hyg.	2				
Mil.					
Mil.					
Mil.					
Mil.					
P. Ed.					
P. Ed.					
Rhet. 1	3				D grades*
Rhet. 2	3				
Zool. 15	4				Earned _____

\* 130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.





Agricultural Marketing Major: For students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. 6 -- Agricultural Statistics (I).....	3
Agr. Econ. 8 -- Agricultural Prices (II).....	3
Agr. Econ. 30 -- Marketing Agricultural Products (I, II).....	3
*Agr. Econ. 31 -- Grain Grading & Marketing (I).....	3
*Agr. Econ. 36 -- Marketing Horticultural Products (I).....	3
*Agr. Econ. 34 -- Marketing Dairy Products (II).....	2
*Agr. Econ. 37 -- Marketing Livestock (II).....	2
Agr. Econ. 14 -- Management Problems of Farmers' Cooperatives (II).....	3

Non-Agricultural Courses: (Group 2 or Open Electives)

Speech 1 -- Principles of Effective Speaking (I, II).....	3
Rhetoric 10 -- Business Letter Writing (I, II).....	2
B.O.O. 7 -- Salesmanship (I, II).....	2
Econ. 92 -- Economics of Transportation (I, II).....	3
Econ. 3 -- Money, Credit and Banking (I, II).....	3
Accy. 12 -- Fundamentals of Accounting (I, II).....	3
Bus. Law. 2 -- Elementary Law of Business (I, II).....	3

\*It is suggested that students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.

\*\*\*\*\*

Animal or Poultry Science Major: For students wishing to specialize in animal or poultry science, including the Federal Civil Service classification of Animal Husbandman. Students desiring to specialize in poultry science should take Animal Science 37, 38 and 39 instead of Animal Science 3 and 6 and Agr. Econ. 37.

<u>Agricultural Courses:</u>	<u>Hours</u>
Animal Science 3 -- Breeds and Market Classes of Livestock (I).....	5
Animal Science 6 -- Livestock Management (II).....	3
One or more of the following:	
Animal Science 25 -- Beef Production (I, II).....	3
Animal Science 26 -- Pork Production (I, II).....	3
Animal Science 27 -- Sheep Production (II).....	3
Animal Science 33 -- Light and Heavy Horses (II).....	3
Animal Science 37 -- Poultry Management (II).....	3-4
Animal Science 36 -- Selection and Use of Meat (I).....	2
Animal Science 41 -- Animal Genetics (II).....	3
Animal Nutrition 51 -- Introduction to Animal Nutrition (II).....	3
Agr. Econ. 20 -- Farm Management (I, II).....	3
Agr. Econ. 37 -- Livestock Marketing (II).....	2
Agronomy 8 -- Forage Crops (II).....	3

Non-Agricultural Courses:

Vet. Anatomy 1 -- Anatomy of Domestic Animals (I).....	3
Vet. Path. & Hygiene 5 -- Animal Hygiene (I).....	3
Vet. Physiology & Pharm. 2 -- Vet. Physiology (II).....	3





Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

<u>Agricultural Courses:</u>	<u>Hours</u>
*D.H. 24a -- Introduction to Dairy Production (I, II).....	3
*D.H. 24b -- Introduction to Dairy Technology (I,II).....	3
D.H. 2a -- Dairy Cattle Breeding and Feeding (I, II).....	3
D.H. 2b -- Dairy Cattle Judging (I, II).....	2
D.H. 11 -- General Dairy Bacteriology (II).....	2
D.H. 17 -- Advanced Study of Dairy Breeding (II).....	3
D.H. 20 -- Problems in Dairy Farming (I).....	3
D.H. 25 -- Advanced Study of Dairy Cattle Feeding (II).....	2
Agron. 8 -- Forage Crops (II).....	3
An. Sci. 41 -- Animal Genetics (II).....	3
An. Nut. 51 -- Introduction to Animal Nutrition (II).....	3

Non-Agricultural Courses:

Vet. Path. & Hygiene 5 -- Livestock Sanitation and Public Health (I).....	2
--	---

\*D.H. 24a and 24b are listed as alternate prescribed courses in the general agriculture curriculum. The course not taken as a prescribed course should be included as an elective.

\*\*\*\*\*

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. 20 -- Farm Management (I, II).....	3
Agr. Econ. 24 -- Farm Operation (I).....	3
Agr. Econ. 25 -- Advanced Farm Management (I, II).....	3
Agr. Econ. 26 -- Agricultural Law (I).....	3
Agr. Econ. 15 -- Financing Agriculture (II).....	3
Agr. Econ. 8 -- Agricultural Prices (II).....	3
Agronomy 10 -- Genesis, Morphology, Classification, and Geography of Soils (II).....	3
Agr. Eng. 4 -- Farm Buildings (II).....	3
Agr. Eng. 5 -- Surveying, Drainage, etc. (II).....	3
An. Sci. 6 -- Livestock Management (II).....	3
Da. Hus. 20 -- Problems in Dairy Farming (I).....	3
Agr. Econ. 42 -- Farm Appraisals (II).....	5
Agr. Econ. 7 -- Rural Sociology (II).....	3

Non-Agricultural Courses:

Rhetoric 10 -- Business Letter Writing (I, II).....	2
Econ. 3 -- Money, Credit and Banking (I, II).....	3
Accy. 12 -- Fundamentals of Accounting (I, II).....	3





Pomology Major: For students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>		<u>Hours</u>
Hort. 2 -- Small Fruit Culture (II).....		3
Hort. 7 -- Spraying (II).....		3
Hort. 8 -- Orcharding (I).....		5
Hort. 44 -- Current Pomological and Vegetable Crop Literature (I, II).....		2-4
Hort. 46 -- Marketing Horticultural Products (I).....		3
Hort. 17 -- Plant Pathology (I).....		3
<u>Non-Agricultural Courses:</u>		
Botany 3 -- Plant Physiology (I).....		5
Bact. 5b -- Introductory Bacteriology Laboratory (I, II).....		2
Entom. 1b -- Destructive and Useful Insects, Lab. (I, II).....		2
Entom. 20 -- Insect Control (I).....		4

\*\*\*\*\*

Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, rural pastorships<sup>1/</sup>, rural social welfare work, rural recreation, rural library work, etc.

<u>Agricultural Courses:</u>		<u>Hours</u>
*Agr. Econ. 7 -- Rural Sociology (II).....		3
Agr. Econ. 12 -- Rural Organizations (II) .....		3
Agr. Econ. 20 -- Farm Management (I, II).....		3
Agr. Econ. 14 -- Management Problems of Farmers' Cooperatives (II)...		3
or Agr. Econ. 30 -- Marketing Agricultural Products (I, II).....		3
Agr. Eng. 24 -- Farm Home Planning (II).....		2
<u>Non-Agricultural Courses:</u>		
*Psychology 1 -- Introduction to Psychology (I, II).....		4
*Sociology 1 -- Principles of Sociology (I, II).....		3
Sociology 14 -- Public Opinion (I, II).....		3
Education 91 -- Education in Rural Communities (II).....		2
Speech 1 -- Principles of Effective Speaking (I, II).....		3
Soc. Wel. Adm. 20 -- Introduction to Social Work (I, II).....		3
Economics 52 -- Fiscal System of Illinois (II).....		3
*Poly. Sci. 1a -- American Government (I, II).....		3

- 1/ Pre-theological Majors are advised to include among their electives (1) the courses marked (\*); (2) at least two courses from English 12, 13, 20a and 20b; (3) at least one course from History 1a, 1b, 16a and 16b and (4) Philosophy 1 or 2. (If planning to enter a particular seminary, care should be taken to include all subjects necessary for admission.)

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Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>		<u>Hours</u>
Agronomy 3 -- Principles of Soil Conservation (II).....		3
Agronomy 7 -- Crop Production as Affected by Environment (I).....		3
Agronomy 8 -- Forage Crops (II).....		3
Agronomy 10 -- Genesis, Morphology, Classification, and Geography of Soils (II).....		3
Agronomy 13 -- Soil Productivity (II).....		3
Agronomy 33 -- Chemistry of Fertilizers and Their Soil Reactions (I).....		3
Aggr. Econ. 20 -- Farm Management (I, II).....		3
Aggr. Econ. 25 -- Advanced Farm Management (I, II).....		3
Aggr. Eng. 5 -- Surveying, Drainage, etc. (II).....		3
An. Science 6 -- Livestock Management (II).....		3
or Da. Hus. 20 -- Problems in Dairy Farming (I).....		3
Forestry 1 -- General Forestry (II).....		3
<u>Non-Agricultural Courses:</u>		
Botany 3 -- Plant Physiology (I).....		3

\*\*\*\*\*

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>		<u>Hours</u>
Hort. 3 -- Commercial Vegetable Production (II).....		3
Hort. 17 -- Plant Pathology (I).....		3
Hort. 44 -- Current Pomological and Vegetable Crop Literature (I, II).....		2-4
Hort. 52 -- Vegetable Diseases (I).....		3
Hort. 56 -- Growing Vegetables for Manufacturing (II).....		3
Aggr. Econ. 36 -- Marketing Horticultural Products (II).....		3
Agronomy 22 -- Improvement of Farm Crops by Breeding (I).....		3
<u>Non-Agricultural Courses:</u>		
Bact. 5b -- Introductory Bacteriology, Lab. (I, II).....		2
Bot. 3 -- Plant Physiology (I).....		3
Entom. 1a -- Destructive and Useful Insects (I, II).....		3
Entom. 1b -- Destructive and Useful Insects (I, II).....		2



This document is a copy of the original report. The text is not intended to be a final report. It is a working draft and should not be used for any other purpose. It is the property of the U.S. Government and is loaned to you. It and its contents are not to be distributed outside your agency.

1. The purpose of this report is to provide a summary of the results of the study conducted by the U.S. Government. The study was conducted in order to determine the effectiveness of the various methods used to collect and analyze data. The results of the study are presented in the following sections.

2. The first section of the report describes the methods used to collect and analyze data. The methods used were the following: (a) the use of a questionnaire to collect data from a large number of subjects; (b) the use of a series of interviews to collect data from a smaller number of subjects; and (c) the use of a series of experiments to collect data from a small number of subjects.

3. The second section of the report describes the results of the study. The results are presented in the following sections: (a) the results of the questionnaire; (b) the results of the interviews; and (c) the results of the experiments.

4. The third section of the report discusses the implications of the results of the study. The implications are discussed in the following sections: (a) the implications for the collection and analysis of data; (b) the implications for the use of the various methods used to collect and analyze data; and (c) the implications for the use of the results of the study.

5. The fourth section of the report contains the conclusions of the study. The conclusions are presented in the following sections: (a) the conclusions of the questionnaire; (b) the conclusions of the interviews; and (c) the conclusions of the experiments.

6. The fifth section of the report contains the recommendations of the study. The recommendations are presented in the following sections: (a) the recommendations of the questionnaire; (b) the recommendations of the interviews; and (c) the recommendations of the experiments.

7. The sixth section of the report contains the references. The references are presented in the following sections: (a) the references of the questionnaire; (b) the references of the interviews; and (c) the references of the experiments.

8. The seventh section of the report contains the appendices. The appendices are presented in the following sections: (a) the appendices of the questionnaire; (b) the appendices of the interviews; and (c) the appendices of the experiments.

9. The eighth section of the report contains the index. The index is presented in the following sections: (a) the index of the questionnaire; (b) the index of the interviews; and (c) the index of the experiments.

10. The ninth section of the report contains the summary. The summary is presented in the following sections: (a) the summary of the questionnaire; (b) the summary of the interviews; and (c) the summary of the experiments.

FIVE-YEAR PLAN OF STUDY IN  
GENERAL AGRICULTURE AND AGRICULTURAL ENGINEERING  
(Course outline and evaluation)

Program and requirements for options in power-machinery and structures-conservation are identical for the first three years as outlined on this sheet. Enroll in the College of Agriculture.

<u>First Semester</u>	Grade or <u>Substitution</u>	<u>Second Semester</u>	Grade or <u>Substitution</u>
Bot. 5            3		Chem. 3            4	
Math. 2           3		Math. 6a           4	
Math. 4           2		Rhet. 2            3	
Rhet. 1           3		Hort. 1b           2	
An. Sci. 1        3		Dairy Hus. 24a or b 3	
Hygiene           2		P.E.                1	
P.E.               1		Mil.                1	
Mil.               1			
Total            18		Total            18	
<u>Third Semester</u>		<u>Fourth Semester</u>	
G.E.D. 1          4		G.E.D. 2           4	
Chem. 4           4		Accy. 1a           3	
Math. 7           5		Math. 9            3	
A.E. 7            3		A.E. 6             3	
P.E.               1		Bact. 5a           3	
Mil.               1		P.E.                1	
		Mil.                1	
Total            18		Total            18	
<u>Fifth Semester</u>		<u>Sixth Semester</u>	
Physics 1a        4		Physics 1b        4	
Physics 3a        1		Physics 3b        1	
Geol. 44          3		Ent. 1             3	
Hort. 1a          3		T.A.M. 1           2	
Agron. 1          4		Agron. 2           5	
An. Sci. 21       3		Econ. 2            3	
Total            18		Total            18	

Note: This outline need not be followed exactly in making semester programs, provided the courses are all taken and prerequisites are met. Approximately 106 hours to this point.

WE WANT TO SEE YOU  
 VISITING AROUND THE WORLD  
 (Includes the entire world)

1. The first part of the report is a general statement of the purpose of the study and the scope of the work.

Level or sublevel	Number of specimens	Level or sublevel	Number of specimens
1	1	1	1
2	1	2	1
3	1	3	1
4	1	4	1
5	1	5	1
6	1	6	1
7	1	7	1
8	1	8	1
9	1	9	1
10	1	10	1
11	1	11	1
12	1	12	1
13	1	13	1
14	1	14	1
15	1	15	1
16	1	16	1
17	1	17	1
18	1	18	1
19	1	19	1
20	1	20	1
21	1	21	1
22	1	22	1
23	1	23	1
24	1	24	1
25	1	25	1
26	1	26	1
27	1	27	1
28	1	28	1
29	1	29	1
30	1	30	1
31	1	31	1
32	1	32	1
33	1	33	1
34	1	34	1
35	1	35	1
36	1	36	1
37	1	37	1
38	1	38	1
39	1	39	1
40	1	40	1
41	1	41	1
42	1	42	1
43	1	43	1
44	1	44	1
45	1	45	1
46	1	46	1
47	1	47	1
48	1	48	1
49	1	49	1
50	1	50	1
51	1	51	1
52	1	52	1
53	1	53	1
54	1	54	1
55	1	55	1
56	1	56	1
57	1	57	1
58	1	58	1
59	1	59	1
60	1	60	1
61	1	61	1
62	1	62	1
63	1	63	1
64	1	64	1
65	1	65	1
66	1	66	1
67	1	67	1
68	1	68	1
69	1	69	1
70	1	70	1
71	1	71	1
72	1	72	1
73	1	73	1
74	1	74	1
75	1	75	1
76	1	76	1
77	1	77	1
78	1	78	1
79	1	79	1
80	1	80	1
81	1	81	1
82	1	82	1
83	1	83	1
84	1	84	1
85	1	85	1
86	1	86	1
87	1	87	1
88	1	88	1
89	1	89	1
90	1	90	1
91	1	91	1
92	1	92	1
93	1	93	1
94	1	94	1
95	1	95	1
96	1	96	1
97	1	97	1
98	1	98	1
99	1	99	1
100	1	100	1

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific information required.



The separate options are followed in the last two years, as listed by semesters for each option. Enroll in the College of Engineering.

	<u>Seventh Semester</u>		
	<u>Grade or Substitution</u>	<u>Structures-Drainage</u>	<u>Grade or Substitution</u>
<u>Power and Machinery</u>			
T.A.M. 2	3	T.A.M. 2	3
T.A.M. 3	3	T.A.M. 3	3
T.A.M. 63	1	T.A.M. 63	1
M.E. 85	3	C.E. 15	3
M.E. 31	5	C.E. 35	2
Agr. Electives	3	Ag. Ec. 20	3
		Agr. Electives	3
Total	18	Total	18
<u>Eighth Semester</u>			
M.E. 10	3	C.E. 61	4
M.E. 40	3	T.A.M. 4	2
Ag. Ec. 20	3	T.A.M. 64	1
M.E. 87	3	A.E. 12	3
Agr. Electives	6	A.E. 45	3
		Agr. Electives	4
Total	18	Total	17
<u>Ninth Semester</u>			
A.E. 43	3	A.E. 42	3
M.E. 41	4	C.E. 62	3
M.E. 89	3	C.E. 63	2
A.E. 99	0	A.E. 99	0
E.E. 11a	3	E.E. 4a	2
E.E. 11b	1	E.E. 4b	1
Agr. Elective	3	Electives	6
Total	17	Total	17
<u>Tenth Semester</u>			
A.E. 44	3	A.E. 51	3
A.E. 51	3	C.E. 64	5
E.E. 12a	3	C.E. 90	2
E.E. 12b	1	C.E. 51 (or	
Elective	5	Arch. Elective)	3
		Elective	3
Total	15	Total	16
Grand Total	174	Grand Total	174

The results of the analysis of the data are given in the following table. The results are given in the form of a table.

Year of Observation	First Series		Year of Observation	Second Series	
	Year	Value		Year	Value
1	1901	1.0	1	1901	1.0
2	1902	1.5	2	1902	1.5
3	1903	2.0	3	1903	2.0
4	1904	2.5	4	1904	2.5
5	1905	3.0	5	1905	3.0
6	1906	3.5	6	1906	3.5
7	1907	4.0	7	1907	4.0
8	1908	4.5	8	1908	4.5
9	1909	5.0	9	1909	5.0
10	1910	5.5	10	1910	5.5
11	1911	6.0	11	1911	6.0
12	1912	6.5	12	1912	6.5
13	1913	7.0	13	1913	7.0
14	1914	7.5	14	1914	7.5
15	1915	8.0	15	1915	8.0
16	1916	8.5	16	1916	8.5
17	1917	9.0	17	1917	9.0
18	1918	9.5	18	1918	9.5
19	1919	10.0	19	1919	10.0
20	1920	10.5	20	1920	10.5
21	1921	11.0	21	1921	11.0
22	1922	11.5	22	1922	11.5
23	1923	12.0	23	1923	12.0
24	1924	12.5	24	1924	12.5
25	1925	13.0	25	1925	13.0
26	1926	13.5	26	1926	13.5
27	1927	14.0	27	1927	14.0
28	1928	14.5	28	1928	14.5
29	1929	15.0	29	1929	15.0
30	1930	15.5	30	1930	15.5
31	1931	16.0	31	1931	16.0
32	1932	16.5	32	1932	16.5
33	1933	17.0	33	1933	17.0
34	1934	17.5	34	1934	17.5
35	1935	18.0	35	1935	18.0
36	1936	18.5	36	1936	18.5
37	1937	19.0	37	1937	19.0
38	1938	19.5	38	1938	19.5
39	1939	20.0	39	1939	20.0
40	1940	20.5	40	1940	20.5
41	1941	21.0	41	1941	21.0
42	1942	21.5	42	1942	21.5
43	1943	22.0	43	1943	22.0
44	1944	22.5	44	1944	22.5
45	1945	23.0	45	1945	23.0
46	1946	23.5	46	1946	23.5
47	1947	24.0	47	1947	24.0
48	1948	24.5	48	1948	24.5
49	1949	25.0	49	1949	25.0
50	1950	25.5	50	1950	25.5
51	1951	26.0	51	1951	26.0
52	1952	26.5	52	1952	26.5
53	1953	27.0	53	1953	27.0
54	1954	27.5	54	1954	27.5
55	1955	28.0	55	1955	28.0
56	1956	28.5	56	1956	28.5
57	1957	29.0	57	1957	29.0
58	1958	29.5	58	1958	29.5
59	1959	30.0	59	1959	30.0
60	1960	30.5	60	1960	30.5
61	1961	31.0	61	1961	31.0
62	1962	31.5	62	1962	31.5
63	1963	32.0	63	1963	32.0
64	1964	32.5	64	1964	32.5
65	1965	33.0	65	1965	33.0
66	1966	33.5	66	1966	33.5
67	1967	34.0	67	1967	34.0
68	1968	34.5	68	1968	34.5
69	1969	35.0	69	1969	35.0
70	1970	35.5	70	1970	35.5
71	1971	36.0	71	1971	36.0
72	1972	36.5	72	1972	36.5
73	1973	37.0	73	1973	37.0
74	1974	37.5	74	1974	37.5
75	1975	38.0	75	1975	38.0
76	1976	38.5	76	1976	38.5
77	1977	39.0	77	1977	39.0
78	1978	39.5	78	1978	39.5
79	1979	40.0	79	1979	40.0
80	1980	40.5	80	1980	40.5
81	1981	41.0	81	1981	41.0
82	1982	41.5	82	1982	41.5
83	1983	42.0	83	1983	42.0
84	1984	42.5	84	1984	42.5
85	1985	43.0	85	1985	43.0
86	1986	43.5	86	1986	43.5
87	1987	44.0	87	1987	44.0
88	1988	44.5	88	1988	44.5
89	1989	45.0	89	1989	45.0
90	1990	45.5	90	1990	45.5
91	1991	46.0	91	1991	46.0
92	1992	46.5	92	1992	46.5
93	1993	47.0	93	1993	47.0
94	1994	47.5	94	1994	47.5
95	1995	48.0	95	1995	48.0
96	1996	48.5	96	1996	48.5
97	1997	49.0	97	1997	49.0
98	1998	49.5	98	1998	49.5
99	1999	50.0	99	1999	50.0
100	2000	50.5	100	2000	50.5

Department of Forestry  
University of Illinois College of Agriculture

TWO-YEAR PREFORESTRY CURRICULUM

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advance standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. The course of study is of necessity modified somewhat to meet the different requirements of the various schools. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Due to large increases in enrollment, many forestry schools have adopted rather high scholarship requirements. Students whose grades are below average in their preforestry work may be refused admittance to a forestry school. Some schools of forestry will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B.

Prescribed Courses

First Year

<u>First semester</u>	<u>Hours</u>	<u>Second semester</u>	<u>Hours</u>
Chemistry 1 or 2 -- Inorganic Chemistry	5* or 3	Rhetoric 2 -- Rhetoric and Composition	3
Rhetoric 1 -- Rhetoric and Composition	3	Mathematics 4 -- Trigonometry	2
Mathematics 3 or 2 -- Algebra	5* or 3	Geology 44 -- Agricultural Geology	3
Botany 5 -- General Botany	3	Forestry 1 -- General Forestry	3
Hygiene 5	2	General Engineering Drawing	4
Military Drill and Theory	1	Military Drill and Theory	1
Physical Education	1	Physical Education	1
Total - - - - -	16 to 18	Total - - - - -	17

\*Students who have had high school chemistry should take Chemistry 2 (a 3-hour course). Students who have had 1 1/2 units of high school algebra should take Mathematics 2 (a 3-hour course). It will be a distinct advantage to students planning to study forestry to take chemistry and/or 1 1/2 units of algebra in high school.



# 1914-1915 AGRONOMY DEPARTMENT

The object of the agronomy department is to prepare students to enter a career of professional service with the State, National, or foreign governments, or to enter a career of research in the field of agronomy. The department maintains a course of study leading to the degree of Bachelor of Science in Agronomy. The course is designed to meet the highest requirements of the various branches of the agronomy department, and to give the student a broad and deep knowledge of the various branches of the agronomy department. The student is required to take a minimum of 120 hours of work in the department, and to pass the various examinations. The student is also required to take a minimum of 120 hours of work in the department, and to pass the various examinations. The student is also required to take a minimum of 120 hours of work in the department, and to pass the various examinations.

## 1914-1915 AGRONOMY DEPARTMENT

Year	First Semester	Second Semester	Total
1	Botany I - 3 credits	Botany I - 3 credits	6
2	Botany II - 3 credits	Botany II - 3 credits	6
3	Botany III - 3 credits	Botany III - 3 credits	6
4	Botany IV - 3 credits	Botany IV - 3 credits	6
5	Botany V - 3 credits	Botany V - 3 credits	6
6	Botany VI - 3 credits	Botany VI - 3 credits	6
7	Botany VII - 3 credits	Botany VII - 3 credits	6
8	Botany VIII - 3 credits	Botany VIII - 3 credits	6
9	Botany IX - 3 credits	Botany IX - 3 credits	6
10	Botany X - 3 credits	Botany X - 3 credits	6
11	Botany XI - 3 credits	Botany XI - 3 credits	6
12	Botany XII - 3 credits	Botany XII - 3 credits	6
Total	36	36	72

The student is required to take a minimum of 120 hours of work in the department, and to pass the various examinations. The student is also required to take a minimum of 120 hours of work in the department, and to pass the various examinations. The student is also required to take a minimum of 120 hours of work in the department, and to pass the various examinations.

## Second Year

<u>First semester</u>	<u>Hours</u>	<u>Second semester</u>	<u>Hours</u>
Civil Engineering 15 -- General		Agronomy 28 -- Soils	5
Surveying	3	Military Drill and Theory	1
Economics 2 -- Elements of Economics	3	Physical Education	1
Chemistry 5 -- Inorganic Chemistry		Electives	11
and Qualitative			
Analysis	5		
Military Drill and Theory	1		
Physical Education	1		
Electives	<u>5</u>		
Total - - - - -	18	Total - - - - -	18
Electives: Botany 3 -- Plant		Electives: Physics 7b and 8b	5
Physiology	5	Zoology 1 or 15	5 or 3
Physics 7a and 8a	5	Botany 6 - Systematic	3
		Speech 1	3
		Political Science 1a	3
		Geography 14 -	
		Meteorology	3

The choice of electives will depend upon the requirements of the particular school of forestry for which the student is preparing. Some forestry schools require a course in physics -- others do not; the same is true of speech, zoology, political science and other elective subjects. The branches of forestry in which one is interested will also influence his choice of electives, and a student expecting to stress the business and administrative aspects of the profession might well choose as electives subjects other than those indicated above. Any changes to meet the needs of individual students should be worked out in consultation with the Head of the Department of Forestry.

Year	Amount	Year	Amount
1911	100.00	1912	100.00
1913	100.00	1914	100.00
1915	100.00	1916	100.00
1917	100.00	1918	100.00
1919	100.00	1920	100.00
1921	100.00	1922	100.00
1923	100.00	1924	100.00
1925	100.00	1926	100.00
1927	100.00	1928	100.00
1929	100.00	1930	100.00
1931	100.00	1932	100.00
1933	100.00	1934	100.00
1935	100.00	1936	100.00
1937	100.00	1938	100.00
1939	100.00	1940	100.00
1941	100.00	1942	100.00
1943	100.00	1944	100.00
1945	100.00	1946	100.00
1947	100.00	1948	100.00
1949	100.00	1950	100.00
1951	100.00	1952	100.00
1953	100.00	1954	100.00
1955	100.00	1956	100.00
1957	100.00	1958	100.00
1959	100.00	1960	100.00
1961	100.00	1962	100.00
1963	100.00	1964	100.00
1965	100.00	1966	100.00
1967	100.00	1968	100.00
1969	100.00	1970	100.00
1971	100.00	1972	100.00
1973	100.00	1974	100.00
1975	100.00	1976	100.00
1977	100.00	1978	100.00
1979	100.00	1980	100.00
1981	100.00	1982	100.00
1983	100.00	1984	100.00
1985	100.00	1986	100.00
1987	100.00	1988	100.00
1989	100.00	1990	100.00
1991	100.00	1992	100.00
1993	100.00	1994	100.00
1995	100.00	1996	100.00
1997	100.00	1998	100.00
1999	100.00	2000	100.00
2001	100.00	2002	100.00
2003	100.00	2004	100.00
2005	100.00	2006	100.00
2007	100.00	2008	100.00
2009	100.00	2010	100.00
2011	100.00	2012	100.00
2013	100.00	2014	100.00
2015	100.00	2016	100.00
2017	100.00	2018	100.00
2019	100.00	2020	100.00
2021	100.00	2022	100.00
2023	100.00	2024	100.00
2025	100.00	2026	100.00
2027	100.00	2028	100.00
2029	100.00	2030	100.00
2031	100.00	2032	100.00
2033	100.00	2034	100.00
2035	100.00	2036	100.00
2037	100.00	2038	100.00
2039	100.00	2040	100.00
2041	100.00	2042	100.00
2043	100.00	2044	100.00
2045	100.00	2046	100.00
2047	100.00	2048	100.00
2049	100.00	2050	100.00
2051	100.00	2052	100.00
2053	100.00	2054	100.00
2055	100.00	2056	100.00
2057	100.00	2058	100.00
2059	100.00	2060	100.00
2061	100.00	2062	100.00
2063	100.00	2064	100.00
2065	100.00	2066	100.00
2067	100.00	2068	100.00
2069	100.00	2070	100.00
2071	100.00	2072	100.00
2073	100.00	2074	100.00
2075	100.00	2076	100.00
2077	100.00	2078	100.00
2079	100.00	2080	100.00
2081	100.00	2082	100.00
2083	100.00	2084	100.00
2085	100.00	2086	100.00
2087	100.00	2088	100.00
2089	100.00	2090	100.00
2091	100.00	2092	100.00
2093	100.00	2094	100.00
2095	100.00	2096	100.00
2097	100.00	2098	100.00
2099	100.00	2100	100.00

the Government of the United States, and the Government of the United Kingdom, have agreed to the following terms of reference:



COLLEGE OF AGRICULTURE  
PREVETERINARY REQUIREMENTS

TENTATIVE 15.  
(Revised 9-26-46)

A minimum of 60 semester credit hours of work on the college level is required of all students prior to entrance upon the veterinary curriculum. These shall include the following:

Chemistry (including organic and quantitative analysis)	16 hours
Biological Science (including botany and general zoology)	8 "
Physics (including laboratory)	8 "
Rhetoric	6 "
Dairy Husbandry	2 "
Group A electives: languages, literature, speech, history, philosophy, religion, psychology, arts or fine arts	8 "
Group B electives: sociology, economics, geography, political science, agricultural economics	8 "
Free electives	4 "
Total	60 "

For students taking their preveterinary work at the University of Illinois the following curriculum is suggested.

First Year			
Inorg. Chem. (Chem. 1 or 2)	5 or 3	Inorg. Chem. & Qual. Anal. (Chem. 5)	5
Rhetoric (Rhet. 1)	3	Rhetoric (Rhet. 2)	3
General Zoology (Zool. 1)	5	Plane Trigonometry (Math. 4 or 4a)	2 or 3
Elective in Group A	4	Elective in Group A	4
Military Science	1	Military Science	1
Physical Education	1	Physical Education	1
		Hygiene	2
	17 or 19		18 or 19
Second Year			
Quant. Anal. (Chem. 22)	5	Organic Chemistry (Chem. 33)	5
Physics (Phys. 7a & 8a)	5	Physics (Phys. 7b & 8b)	5
Elective in Group B	4	Elective in Group B	4
Dairy Husbandry 24a	3	Botany (Bot. 5)	3
Military Science	1	Military Science	1
Physical Education	1	Physical Education	1
	19		19

Veterans' Credits. For veterans of 90 days' or more service in the armed forces, credit may be allowed for the courses in military science, physical education and hygiene, which are required of all non-veteran students.

Transfer of Credits. Preveterinary work may be taken at any approved college. Students planning to take this work at another institution are advised to make certain that all their credits will be accepted at the University of Illinois.

Grade requirements. The College of Veterinary Medicine may refuse admission to applicants with a preveterinary grade average below 3.5 or its equivalent as determined by the University of Illinois for institutions using a different grading system.

Enrollment Limitations. If the number of applicants who meet the scholastic requirements exceeds the number that can be accepted, a committee on admissions of the faculty of the College of Veterinary Medicine will select those to be admitted.

Preferences. The committee on admissions will give preference to candidates who are residents of Illinois and to those having farm experience. The available evidence bearing on the applicant's character and fitness will also be given consideration.

1. The first of these is the fact that the majority of the population of the United States is now living in urban areas. This is a result of the process of urbanization, which has been going on since the beginning of the 20th century. The majority of the population of the United States is now living in urban areas, and this is a result of the process of urbanization, which has been going on since the beginning of the 20th century.

1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

and should be observed and its use discontinued until further notice.

1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
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Actual		Budget	
1	100	1	100
2	100	2	100
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32	100	32	100
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88	100	88	100
89	100	89	100
90	100	90	100
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97	100	97	100
98	100	98	100
99	100	99	100
100	100	100	100

THE UNIVERSITY OF CHICAGO  
CHICAGO, ILL. 60637

...that all other results will be regarded as the Province of Illinois.

1. The Village of ...

RECEIVED  
JAN 10 1968

...of ... ..



Curriculum in DAIRY TECHNOLOGY

Date

Name

Prescribed Courses	Hours	Grade	Group 1--A minimum of 15 hours in courses offered by the College of Agriculture other than those prescribed				SUMMARY			
							Group 1			
Accy. 1a or 1e	3-2						Earned _____			
							To be earned _____			
Chem. 1 or 2	5-3									
Chem. 5	5									
Chem. 33	5									
Da. Husb. 1	3									
Da. Husb. 4	3									
Da. Husb. 7	3									
Da. Husb. 8	3									
Da. Husb. 9	2									
Da. Husb. 11	2									
Da. Husb. 12	2									
Da. Husb. 14	3									
Da. Husb. 22	3									
Da. Husb. 24a	3									
Da. Husb. 24b	3									
Econ. 1	5									
Hyg.	2									
Math. 3	5									
Math. 4	2									
Mil.	1 1/2									
Mil.	1 1/2									
Mil.	1 1/2									
Mil.	1 1/2									
P. Ed.	1,1									
P. Ed.	1,1									
Physics 7a	4									
Physics 8a	1									
Physics 7b	4									
Physics 8b	1									
Rhet. 1	3									
Rhet. 2	3									
Open Electives										
			Group 2--Minimum 8 hours selected from Engl., For. Lang., Geog., Hist., L. Arch., Phil., Pol. Sci., Psych., Rhet., Sociol., Speech				Group 2			
							Earned _____			
							To be earned _____			
			Group 3--Minimum 10 hours in addition to prescribed courses to be selected from courses offered in Chem., Physics, Math., Bact., Accy., Econ., B.O.O.				Group 3			
							Earned _____			
							To be earned _____			
			Suggested Courses							
			Chem. 22	5		Econ. 3	3			
			Chem. 50	5		Econ. 10	3			
			Physics 15	3		Econ. 43	3			
			Phys. 44a-b	3,3		Econ. 51	3			
			Math. 6a	4		Econ. 61	3			
			Math. 8a	3		B.O.O. 2	3			
			Math. 8b	3		B.O.O. 7	2			
			Bact. 5a-b	3-2		B.O.O. 8	3			
			Bact. 8	5		B. Law 2	3			
			Bact. 10	2						
			Accy. 1b	3						
			Accy. 2a	3						
			Accy. 2b	3						
			TOTAL HOURS* _____				D grades* _____			
			_____				_____			
			_____				_____			
			_____				_____			

\* 130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. Not more than 1/4 of the hours counted toward graduation may be of D grade.



Name of School	Location	Type of School	Number of Pupils
School No. 1	City of New York	Common	100
School No. 2	City of New York	Common	100
School No. 3	City of New York	Common	100
School No. 4	City of New York	Common	100
School No. 5	City of New York	Common	100
School No. 6	City of New York	Common	100
School No. 7	City of New York	Common	100
School No. 8	City of New York	Common	100
School No. 9	City of New York	Common	100
School No. 10	City of New York	Common	100
School No. 11	City of New York	Common	100
School No. 12	City of New York	Common	100
School No. 13	City of New York	Common	100
School No. 14	City of New York	Common	100
School No. 15	City of New York	Common	100
School No. 16	City of New York	Common	100
School No. 17	City of New York	Common	100
School No. 18	City of New York	Common	100

UNIVERSITY OF ILLINOIS  
College of Agriculture—Office of Associate Dean

17.

Name	Curriculum in FLORICULTURE				Date
	CREDIT	GRADE		CREDIT	GRADE
Prescribed Courses			Group 2		
			Minimum 4 hours selected		
Accy. 1a	3		from: Engl., For. Lang.,		
Accy. 1b	3		Geog., Hist., L. Arch.,		
			Philos., Pol. Sci., Psych.,		
Agron. 28	5		Rhet., Sociol., Speech		
Bot. 3	5				
Bot. 5	3				
Bot. 6	3				
Bot. 7	3				
Chem. 1 or 2	5-3		Open Electives		
Chem. 5	5				
Econ. 2	3				
Entom. 1a - 1b	3-2				
Geol. 44	3				
Hort. 5	3				
Hort. 15a	3				
Hort. 15b	3				
Hort. 15c	3				
Hort. 30	3				
Hort. 31	3				
Hort. 32a	3				
Hort. 32b	3				
Hort. 43	3				
Hort. 45	3				
L. Arch. 51	3				
L. Arch. 52	3				
L. Arch. 64	3				
Rhet. 1	3				
Rhet. 2	3				
Hyg.	2				
Mil.					
Mil.					
Mil.					
Mil.					
P. Ed.					
P. Ed.					
					SUMMARY
					Group 2
					Earned _____
					To be earned _____
					TOTAL HOURS*
					Earned _____
					D grades*
					Earned _____

\* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. Not more than 1/4 of the hours counted toward graduation may be of D grade.

Year	Month	Day	Time	Location	Remarks
1900	Jan	1	10:00	San Francisco	Left for San Francisco
1900	Jan	2	10:00	San Francisco	Left for San Francisco
1900	Jan	3	10:00	San Francisco	Left for San Francisco
1900	Jan	4	10:00	San Francisco	Left for San Francisco
1900	Jan	5	10:00	San Francisco	Left for San Francisco
1900	Jan	6	10:00	San Francisco	Left for San Francisco
1900	Jan	7	10:00	San Francisco	Left for San Francisco
1900	Jan	8	10:00	San Francisco	Left for San Francisco
1900	Jan	9	10:00	San Francisco	Left for San Francisco
1900	Jan	10	10:00	San Francisco	Left for San Francisco
1900	Jan	11	10:00	San Francisco	Left for San Francisco
1900	Jan	12	10:00	San Francisco	Left for San Francisco
1900	Jan	13	10:00	San Francisco	Left for San Francisco
1900	Jan	14	10:00	San Francisco	Left for San Francisco
1900	Jan	15	10:00	San Francisco	Left for San Francisco
1900	Jan	16	10:00	San Francisco	Left for San Francisco
1900	Jan	17	10:00	San Francisco	Left for San Francisco
1900	Jan	18	10:00	San Francisco	Left for San Francisco
1900	Jan	19	10:00	San Francisco	Left for San Francisco
1900	Jan	20	10:00	San Francisco	Left for San Francisco
1900	Jan	21	10:00	San Francisco	Left for San Francisco
1900	Jan	22	10:00	San Francisco	Left for San Francisco
1900	Jan	23	10:00	San Francisco	Left for San Francisco
1900	Jan	24	10:00	San Francisco	Left for San Francisco
1900	Jan	25	10:00	San Francisco	Left for San Francisco
1900	Jan	26	10:00	San Francisco	Left for San Francisco
1900	Jan	27	10:00	San Francisco	Left for San Francisco
1900	Jan	28	10:00	San Francisco	Left for San Francisco
1900	Jan	29	10:00	San Francisco	Left for San Francisco
1900	Jan	30	10:00	San Francisco	Left for San Francisco
1900	Jan	31	10:00	San Francisco	Left for San Francisco



## COLLEGE OF AGRICULTURE

## CURRICULUM IN FOOD TECHNOLOGY

## For the Degree of Bachelor of Science in Food Technology

This curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

RequirementsSemester Hours

Prescribed courses as listed below:

90 to 92 semester hours for men, or

86 to 88 semester hours for women

86 to 92

Group I electives, technical agriculture courses, listed below:

25

Group II electives, humanities and social studies listed below:

8

Group III electives, technical and business courses other than agriculture:

5

Free electives:

0 to 6

Total required for graduation:

130

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Math. 3, Algebra 1/	5	Math. 4, Plane Trigonometry a/	2
Rhet. 1, Rhetoric and Composition	3	Rhet. 2, Rhetoric and Composition	3
Chem. 1 or 2, General Chemistry	5 or 3	Chem. 5, Inorganic and Qualitative Chemistry	5
Botany 5, for Students in Agriculture	3	Zool. 15, Animal Biology	4
Physical Education	1	Physical Education	1
Military Science	1	Military Science	1
		Hygiene 5, Hygiene and Sanitation	2
Total	16 or 18	Total	18

Second Year

Chem. 22, Quantitative Chemistry	5	Chem. 33, Organic Chemistry-	5
Physics 7a and 8a, General Physics (Mechanics, Sound, and Heat)	5	Physics 7b and 8b, General Physics (Light, Electricity, and Magnetism)	5
Bact. 5a and 5b, Introductory Bacteriology	5	Economics 2, Elements of Economics	3
Physical Education	1	Physical Education	1
Military Science	1	Military Science	1
Total	17	Electives	3
		Total	18

a/ The student planning to take advance work in chemistry may substitute Mathematics 10a-10b for the Mathematics 3 and 5 requirement.

1900

*[Faint, illegible text]*

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1. The Commission has received information from the Government of the United States that the United States has been providing military and financial assistance to the Government of the Republic of China (Taiwan) since 1949. The Commission has been informed that the United States has provided military assistance to the Government of the Republic of China (Taiwan) in the form of arms, ammunition, and other military equipment. The Commission has also been informed that the United States has provided financial assistance to the Government of the Republic of China (Taiwan) in the form of grants and loans. The Commission has been informed that the United States has provided military and financial assistance to the Government of the Republic of China (Taiwan) in order to support its claim to be the sole legitimate government of China.

1. The first group of people who are interested in the study of the history of the world are the historians. They are the people who study the past and write about it. They are the people who tell us what happened and why it happened. They are the people who help us to understand the world and ourselves.

[illegible]

DATE	DESCRIPTION	AMOUNT	BALANCE
1	By Balance	100.00	100.00
2	To Cash	50.00	50.00
3	To Cash	25.00	25.00
4	To Cash	10.00	10.00
5	To Cash	5.00	5.00
6	To Cash	2.50	2.50
7	To Cash	1.25	1.25
8	To Cash	0.62	0.62
9	To Cash	0.31	0.31
10	To Cash	0.16	0.16
11	To Cash	0.08	0.08
12	To Cash	0.04	0.04
13	To Cash	0.02	0.02
14	To Cash	0.01	0.01
15	To Cash	0.00	0.00
16	To Cash	0.00	0.00
17	To Cash	0.00	0.00
18	To Cash	0.00	0.00
19	To Cash	0.00	0.00
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30	To Cash	0.00	0.00
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46	To Cash	0.00	0.00
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51	To Cash	0.00	0.00
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65	To Cash	0.00	0.00
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72	To Cash	0.00	0.00
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74	To Cash	0.00	0.00
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76	To Cash	0.00	0.00
77	To Cash	0.00	0.00
78	To Cash	0.00	0.00
79	To Cash	0.00	0.00
80	To Cash	0.00	0.00
81	To Cash	0.00	0.00
82	To Cash	0.00	0.00
83	To Cash	0.00	0.00
84	To Cash	0.00	0.00
85	To Cash	0.00	0.00
86	To Cash	0.00	0.00
87	To Cash	0.00	0.00
88	To Cash	0.00	0.00
89	To Cash	0.00	0.00
90	To Cash	0.00	0.00
91	To Cash	0.00	0.00
92	To Cash	0.00	0.00
93	To Cash	0.00	0.00
94	To Cash	0.00	0.00
95	To Cash	0.00	0.00
96	To Cash	0.00	0.00
97	To Cash	0.00	0.00



Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Chem. 50, Biochemistry	5	Chem. 29b, Food Analysis	5
Agr. Econ. 30, Marketing of Agricultural Products	3	Bact. 8, Food and Applied Bacteriology	5
Accy. 12, Fundamentals of Accounting	3	Home Economics 41, Problems in Nutrition	3
Electives	5	Electives	3
Total	16	Total	16

Fourth Year

Electives	16	Electives	16
Total	16	Total	16

The minimum number of elective hours must be selected from the following three groups as indicated:

Group I. Minimum 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

Agr. Econ. 31 (Same as Agron. 14) - Grain grading and marketing	3
Agr. Econ. 34 - Marketing dairy products	2
Agr. Econ. 36 - Marketing horticultural products	3
Agr. Econ. 37 - Marketing livestock and meats	3
An. Sci. 36 - Meats	2
An. Sci. 10 - Slaughtering and processing	3
An. Sci. 24 - Meat grading	3
Bact. 9 - Bacterial nutrition and vitamin assays	3
Da. Husb. 1 - Chemical control methods for dairy plants	3
Da. Husb. 5 - Composition of dairy products	3
Da. Husb. 10 - Advanced dairy bacteriology	4
Da. Husb. 11 - General dairy bacteriology (Milk sanitation)	2
Da. Husb. 12 - General dairy bacteriology (Contamination and Control)	2
Da. Mfgr. - All courses listed in this curriculum not required in the curriculum in Food Technology	
Home Econ. 63 - Experimental foods	3
Hort. 56 - Growing vegetables for manufacture	3

Group II. Minimum 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, speech.

Group III. Minimum 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, physics.



# ANNEX

NO.	DESCRIPTION	QTY	UNIT PRICE
1	1000 lbs. of No. 10 wire	1000	10.00
2	1000 lbs. of No. 12 wire	1000	8.00
3	1000 lbs. of No. 14 wire	1000	6.00
4	1000 lbs. of No. 16 wire	1000	4.00
5	1000 lbs. of No. 18 wire	1000	3.00
6	1000 lbs. of No. 20 wire	1000	2.00
7	1000 lbs. of No. 22 wire	1000	1.50
8	1000 lbs. of No. 24 wire	1000	1.00
9	1000 lbs. of No. 26 wire	1000	.75
10	1000 lbs. of No. 28 wire	1000	.50
11	1000 lbs. of No. 30 wire	1000	.30

The above prices are for material only and do not include labor or other charges.

These prices are for material only and do not include labor or other charges.

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UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

20.

Curriculum in VOCATIONAL AGRICULTURE			Date	
Name	CREDIT	GRADE		
Agriculture Prescribed (52 hrs.)			Natural Science Prescribed (27-29 hrs.)	
Agr. Econ. 1	3		Bact. 5a	3
Agr. Econ. 20	3		Bot. 5	3
Agr. Econ. 30	3		Chem. 1 or 2	5-3
(9 hrs. selected from the following)			Chem. 5	5
Agr. Eng. 2	3		Entom. 1	3
Agr. Eng. 3	3		Geol. 44	3
Agr. Eng. 4	3		Psych. 1	4
Agr. Eng. 5	3		Zool. 15	4
Agr. Eng. 21 <sup>a/</sup>	3			
Agron. 1	4			
Agron. 2	5			
(3 hrs. selected from the following)			General Prescribed (14 hrs.)	
Agron. 7,8,10,11,13, 22,33,or 34	3		Hyg. 5	2
An. Sci. 1	3		Mil.	1
An. Sci. 21	3		Mil.	1
An. Sci. 6	3		Mil.	1
An. Sci. 37	4		Mil.	1
Da. Husb. 24a	3		P. Ed.	1-1
Da. Husb. 33	2		P. Ed.	1-1
Hort. 1a	3		Rhet. 1	3
Hort. 1b	2		Rhet. 2	3
Education Prescribed (18 hrs.)			Electives	
Ed. 1	2			
Agr. Ed. 50	5			
Agr. Ed. 51	5			
Educ. 6	3			
Educ. 25	3			
Required for Certification (except for veterans)				
Pol. Sci. 1a	3			
Hist. 3b	3			
Speech 1	3			
Additional Humanities	2			

TOTAL HOURS\*  
EARNED \_\_\_\_\_

D grades\*  
EARNED \_\_\_\_\_

a/ Students who have had an acceptable shop course in high school should omit Agr. Eng. 21.

\*134 hours, including regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

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REPRINTED FROM THE  
240 DAYPORT HALL

# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



University of Illinois College of Agriculture

September 1948

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1948

## CONTENTS

	<u>Page</u>
Student Objectives	1
Student Plans and Student Guidance	1
Curricula and Majors as Educational Programs	3
Work Sheet	6
Curricula of the College of Agriculture:	
Agricultural Science Curriculum	7
General Agriculture Curriculum	9
Suggested Majors for Students in the General Agriculture Curriculum:	
Animal and Poultry Science	11
Dairy Production	12
Farm Management and Farm Finance	12
Agricultural Marketing	13
Farm Crops	14
Soil Conservation	15
Vegetable Crops	16
Pomology	17
Rural Group Leadership	17
Vocational Agriculture (for Smith-Hughes teachers)	18
Dairy Technology Curriculum	21
Floriculture Curriculum	24
Food Technology Curriculum	27
Preforestry (two year) Curriculum	30
Six Year Program in Agriculture and Law	31

---

Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_,  
                    (Number and Street)                      (Champaign or Urbana)

Home Address: \_\_\_\_\_  
                    \_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone \_\_\_\_\_

Office Hours: \_\_\_\_\_





## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

---

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944





Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.





### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, five curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. Agricultural Science
2. General Agriculture
3. Dairy Technology
4. Floriculture
5. Food Technology

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 11 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 18 to 20.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

*Journal of Management Studies*, 19(1), 67-80.

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.



but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, and Food Technology are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Catalog for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

[illegible]

TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940<sup>a/</sup>

Occupational groups	1930		1940	
	Number replying to questionnaire	Percent of all persons replying	Number replying to questionnaire	Percent of all persons replying
<b>Educational workers</b>				
College teachers .....	163	7.8	131	7.8
College administrators .....	6	.3	9	.5
Directors of extension .....	2	.1	11	.7
Extension specialists .....	33	1.1	43	2.6
County agents .....	108	5.0	97	5.8
High-school teachers .....	278	13.3	291	17.2
Coaches .....	9	.4	5	.3
<b>Professional technicians</b>				
Agronomists .....	29	1.4	76	4.5
Bacteriologists .....	1	0	6	.4
Chemists .....	24	1.2	16	1.0
Economists .....	14	.7	18	1.1
Engineers .....	33	1.6	24	1.4
Entomologists .....	13	.6	8	.5
Horticulturists .....	14	.7	5	.3
Statisticians .....	0	0	6	.4
Zoologists .....	0	0	2	.1
U.S.D.A. officials .....	14	.7	23	1.4
Farm Security Administration supervisors .....	0	0	49	2.9
Foresters .....	5	.2	0	0
<b>Subprofessional technicians</b>				
Inspectors .....	12	.6	19	1.1
Butter and ice-cream makers .....	3	.1	5	.3
Herdsmen .....	2	.1	9	.5
Miscellaneous .....	9	.4	2	.1
<b>Business managers and employees</b>				
Industrial managers .....	99	4.8	78	4.6
Wholesale managers .....	39	1.9	69	4.1
Retail managers .....	56	2.7	28	1.7
Buyers .....	18	.9	11	.7
Officers .....	32	1.5	29	1.7
Clerks .....	17	.8	26	1.5
Salesmen and salesmanagers .....	125	6.0	52	3.1
<b>Insurance, loan, real-estate agents</b>				
Insurance salesmen .....	39	1.9	28	1.7
Real-estate salesmen .....	17	.8	17	1.0
Loan agents .....	28	1.3	26	1.5
Bank officials .....	20	1.0	10	.6
Appraisers .....	10	.5	16	1.0
<b>Farmers</b>				
Operators (owners, tenants) .....	459	22.1	240	14.3
Managers .....	58	2.8	48	2.9
Hands .....	0	0	3	.2
<b>Others</b>				
Florists and landscape gardeners .....	157	7.5	36	2.1
Hatcherymen .....	11	.5	5	.3
Lawyers .....	10	.5	8	.5
Doctors and dentists .....	14	.7	9	.5
Ministers .....	9	.4	6	.4
Soldiers .....	6	.3	8	.5
Public officials .....	19	.9	9	.5
Artists and musicians .....	8	.4	0	0
Journalism and advertising .....	51	2.4	32	1.9
Skilled tradesmen .....	3	.1	5	.3
Laborers .....	2	.1	5	.3
Unemployed .....	24	1.1	4	.2
Retired .....	2	.1	1	.1
Students .....	26	1.0	19	1.1
<b>All groups</b> .....	<b>2 107</b>	<b>--</b>	<b>1 683</b>	<b>--</b>

<sup>a/</sup> The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.



Name	Address	City	State	Zip	Occupation	Income	Assets	Liabilities	Net Worth	Other	Remarks	Signature	Date	Initials
John Doe	123 Main St	Anytown	CA	90210	Engineer	\$10,000	\$50,000	\$20,000	\$30,000			John Doe	1/15/61	J.D.
Jane Doe	123 Main St	Anytown	CA	90210	Homemaker	\$5,000	\$50,000	\$20,000	\$30,000			Jane Doe	1/15/61	J.D.
John Doe	123 Main St	Anytown	CA	90210	Engineer	\$10,000	\$50,000	\$20,000	\$30,000			John Doe	1/15/61	J.D.
Jane Doe	123 Main St	Anytown	CA	90210	Homemaker	\$5,000	\$50,000	\$20,000	\$30,000			Jane Doe	1/15/61	J.D.
John Doe	123 Main St	Anytown	CA	90210	Engineer	\$10,000	\$50,000	\$20,000	\$30,000			John Doe	1/15/61	J.D.
Jane Doe	123 Main St	Anytown	CA	90210	Homemaker	\$5,000	\$50,000	\$20,000	\$30,000			Jane Doe	1/15/61	J.D.
John Doe	123 Main St	Anytown	CA	90210	Engineer	\$10,000	\$50,000	\$20,000	\$30,000			John Doe	1/15/61	J.D.
Jane Doe	123 Main St	Anytown	CA	90210	Homemaker	\$5,000	\$50,000	\$20,000	\$30,000			Jane Doe	1/15/61	J.D.
John Doe	123 Main St	Anytown	CA	90210	Engineer	\$10,000	\$50,000	\$20,000	\$30,000			John Doe	1/15/61	J.D.
Jane Doe	123 Main St	Anytown	CA	90210	Homemaker	\$5,000	\$50,000	\$20,000	\$30,000			Jane Doe	1/15/61	J.D.

Name \_\_\_\_\_

## PROGRAM BY SEMESTERS

Objective \_\_\_\_\_

Curriculum \_\_\_\_\_

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Catalog to determine which semester certain courses are offered

\_\_\_\_\_ Semester 19\_\_-19\_\_ \_\_\_\_\_ Semester 19\_\_-19\_\_

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	





## CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two types of programs are provided in this curriculum:

- A. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
- B. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

	A Hours	B Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	(56 hours from Groups II, III, IV, and V with a minimum of 8 hours in each group and a minimum of 40 hours in any two groups.)
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	12	
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	35	
Electives, Unrestricted	<u>20</u>	<u>23</u>
TOTAL required for graduation	130	130

# THE HISTORY OF THE UNITED STATES

THE HISTORY OF THE UNITED STATES  
 FROM THE FIRST SETTLEMENTS TO THE PRESENT TIME

The history of the United States is a story of growth and development. It begins with the first settlers who came to the shores of the Atlantic Ocean in search of a new home. These settlers were men of courage and vision who were determined to build a new life in a new land. They were men who were not afraid of the unknown and who were willing to risk everything for a better future. Their story is a story of triumph and adversity, of hope and despair, of love and hate. It is a story that has shaped the destiny of a nation and that will continue to shape the destiny of the world.

The history of the United States is a story of growth and development.

The history of the United States is a story of growth and development.

The history of the United States is a story of growth and development.

1	2	3
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102

Agricultural Science Curriculum  
Sample program for freshman year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Com- position	3	Rhet. 102(2)-Rhetoric and Com- position	3
Math. 112(2) or 111(3)-College Algebra <sup>1/</sup>	3 or 5	Math. 114(4)-Trigonometry <sup>1/</sup>	2
Chem. 101(1) or 102(2)-Inor- ganic Chemistry	5 or 3	Chem. 105(5) or 106(6)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102(2) or 105(5)- Hygiene and Sanitation	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	<u>0 to 5</u>		<hr/>
Total	15 to 18	Total	15 to 18

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.





COLLEGE OF AGRICULTURE	Date	Name
Office of Associate Dean	Option and field selected	
AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.		
Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.		
Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.		
GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)		
	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	
GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours <u>in residence</u> at the Univ. of Ill.		
GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*		
	credit	grade
GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 12 hrs.; Option II--Minimum of 8 hrs.*		
GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 35 hrs.; Option II--Minimum of 8 hrs.*		
GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.*		
Open Electives:		
Total hrs. earned		

\*Students who select Option II must earn a total of 56 hours from Groups II, III, IV, & V with a minimum of 8 hours in each group + a minimum of 40 hours in any two groups. 130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.





General Agriculture Curriculum--for students in fields not requiring an intensive science foundation. This may include agricultural marketing, animal and poultry husbandry, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 will consist of all prescribed courses in agriculture except Agronomy 201 (soils).

#### FRESHMAN YEAR

<u>1st semester</u>	<u>Sem. Hrs.</u>	<u>2nd semester</u>	<u>Sem. Hrs.</u>
Mil. Sci. & P.E.	2	Mil. Sci. & P.E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 105(5)	3	Zool. 104(15)	4
Two courses		One course	
from Group 1	6	from Group 1	3 or 4
	<u>16</u>		<u>15 - 18</u>

#### SOPHOMORE YEAR

<u>1st semester</u>	<u>Sem. Hrs.</u>	<u>2nd semester</u>	<u>Sem. Hrs.</u>
Mil. Sci. & P.E.	2	Mil. Sci. & P.E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses		Two courses	
from Group 1	9	from Group 1	6
	<u>17</u>		<u>16</u>

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

<u>Courses</u>	<u>Sem. hrs. required</u>
Agr. Econ. 100(1) <sup>1/</sup>	3
Agr. Eng. 101(1)	3
Agronomy 121(1)	4
An. Sci. 101(1) and 102(21)	6
Da. Husb. 100(24a)	3
Horticulture 161(1a)	3
Forestry 101(1) or 102(2), or Hort. 142(1b)	2 or 3
	<u>24 - 25</u>

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

A total of 130 hours, including 50 in the College of Agriculture, is required for graduation.

<sup>1/</sup> Students entering as juniors or seniors should substitute Agr. Econ. 120 (20) or Agr. Econ. 130 (30) for Agr. Econ. 100 (1).

The following information is being furnished to you for your information and guidance. It is requested that you keep this information confidential and not disclose it to any other person. The information is being furnished to you for your information and guidance only. It is requested that you keep this information confidential and not disclose it to any other person.

### CONFIDENTIAL

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**CURRICULUM IN GENERAL AGRICULTURE--**For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	credit	grade		credit	grade	
Agr. Econ.(1) 100	3					Earned:
Agr. Eng. (1) 101	3					To be earned:
Agronomy (1) 121	4					
Agronomy (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Da. Prod.(24a) 100	3					
Hort. (1a) 161	3					
Forestry (1 or 2) 101 or 102 or Hort. (1b) 142	3-2					
NON-AGRICULTURE PRESCRIBED:			HUMANITIES AND SOCIAL STUDIES-- Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.			
Botany (5) 105	3					Earned:
Chemistry (1 or 2) 101 or 102	5-3					
Chemistry (32) 132	3					To be earned:
Economics (2) 108	3					
Geology (44) 105	3					
Hygiene	2					
Rhetoric (1) 101	3		OPEN ELECTIVES:			
Rhetoric (2) 102	3					TOTAL HOURS:
Zoology (15) 104	4					
Military						
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.E.						D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.





## Majors for Students in the General Agriculture Curriculum

Animal or Poultry Science Major: Students majoring in Animal Science should elect 20 semester hours, in addition to 101 (1) and 102 (2), from courses in Animal Science (including Animal Nutrition). Such a major will prepare a student for the Federal Civil Service Classification of Animal Husbandman. Students desiring to specialize in poultry science should take Animal Science 207 (38) and 304 (37) instead of Animal Science 103 (3) and 201 (6) and Agr. Econ. 332 (37).

### Agricultural Courses:

### Hours

*Animal Science ( 3)	103--Breeds and Market Classes of Livestock (I)	5
Animal Science (36)	104--Selection and Use of Meat (I)	2
Animal Science ( 6)	201--Livestock Management (II)	3
One or more of the following:		
Animal Science (33)	206--Light and Heavy Horses (II)	3
Animal Science (25)	301--Beef Production (I, II)	3
Animal Science (27)	302--Sheep Production (II)	3
Animal Science (26)	303--Pork Production (I, II)	3
Animal Science (37)	304--Poultry Management (II)	3-4
*Animal Science (41)	305--Animal Genetics (II)	3
*Animal Nutrition (51)	301--Introduction to Animal Nutrition (II)	3
Agr. Econ. (20)	120--Farm Management (I, II)	3
Agr. Econ. (37)	332--Marketing Livestock (II)	2
Agronomy ( 8)	322--Forage Crops (II)	3
*Agriculture (16)	216--Experimental and Biological Statistics (I, II)	3

### Other Courses:

Vet. Anatomy ( 1)	101--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Physiology & Pharm. (2)	102--Physiology of Domestic Animals (II)	3

\* Required in Agricultural Science Curriculum for major in Animal Science. Other courses to be selected after consultation with adviser.





## Majors for Students in the General Agriculture Curriculum

**Dairy Production Major:** This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

<u>Agricultural Courses:</u>	<u>Hours</u>
Da. Prod. (2b) 104--Dairy Cattle Judging (I, II)	2
Da. Prod. (2a) 201--Reproduction, Genetics and Improvement of Dairy Cattle (I)	3
Da. Prod. (2a) 202--Dairy Cattle Feeding (II)	3
Da. Prod. (20) 311--Problems in Dairy Farming (I)	3
Da. Prod. (11) 150--General Dairy Bacteriology (II)	2
Da. Prod. (12) 151--General Dairy Bacteriology (II)	3
Da. Prod. (34) 334--Marketing Dairy Products (II)	2
Agronomy ( 8) 322--Forage Crops (II)	3

### Other Courses:

Vet. Path. & Hygiene (5) 105--Livestock Sanitation and Public Health (I)	3
Vet. Phy. & Pharm. (2) 102--Vet. Physiology (II)	3
Bact. (5a) 104 & (5b) 105--Introductory Bacteriology (I, II)	5

**Farm Management and Farm Finance Major:** This major is for students interested in preparing for work in the farm management and farm credit fields.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. (20) 120--Farm Management (I, II)	3
Agr. Econ. (24) 224--Farm Operation (II)	3
Agr. Econ. (25) 325--Advanced Farm Management (I)	3
Agr. Econ. (26) 203--Agricultural Law (I)	3
Agr. Econ. (15) 302--Financing Agriculture (II)	3
Agr. Econ. ( 8) 342--Agricultural Prices (II)	3
Agronomy (10) 301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy ( 8) 322--Forage Crops (II)	3
Agr. Eng. ( 4) 272--Farm Buildings (II)	3
Agr. Eng. ( 5) 252--Surveying, Drainage, etc. (II)	3
An. Sci. ( 6) 201--Livestock Management (II)	3
Da. Prod. (20) 311--Problems in Dairy Farming (I)	3
Agr. Econ. (42) 312--Farm Appraisals (II)	5
Agr. Econ. ( 7) 277--Rural Sociology (II)	3

### Other Courses:

Rhetoric (10) 151--Business Letter Writing (I, II)	2
Economics ( 3) 250--Money, Credit and Banking (I, II)	3
Accy. (12) 201--Fundamentals of Accounting (I, II)	3



## Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. ( 6) 341--Agricultural Statistics (I)	3
Agr. Econ. ( 8) 342--Agricultural Prices (II)	3
Agr. Econ. (30) 130--Marketing Agricultural Products (I, II)	3
*Agr. Econ. (31) 331--Grain Grading & Marketing (I)	3
*Agr. Econ. (36) 333--Marketing Horticultural Products (I)	3
*Agr. Econ. (34) 334--Marketing Dairy Products (II)	2
*Agr. Econ. (37) 332--Marketing Livestock (II)	2

Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech ( 1) 101--Principles of Effective Speaking (I, II)	3
Rhetoric (10) 151--Business Letter Writing (I, II)	2
B. O. O. ( 7) 271--Salesmanship (I, II)	2
Economics (15) 278--Consumer Economics (I, II)	3
Economics (92) 284--Economics of Transportation (I, II)	3
Economics ( 3) 250--Money, Credit and Banking (I, II)	3
Accy. (12) 201--Fundamentals of Accounting (I, II)	3
Bus. Law ( 2) 101--Elementary Law of Business (I, II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.



THEORY OF THE EARTH AND ITS HISTORY

The following table shows the results of the various experiments made by the author, and the conclusions to which he has arrived. The experiments were made in the year 1847, and the conclusions were published in the year 1848.

TABLE I.		RESULTS OF THE EXPERIMENTS.	
I.	(1) The weight of the water in the vessel.	100	100
	(2) The weight of the water in the vessel.	100	100
	(3) The weight of the water in the vessel.	100	100
	(4) The weight of the water in the vessel.	100	100
	(5) The weight of the water in the vessel.	100	100

The following table shows the results of the various experiments made by the author, and the conclusions to which he has arrived. The experiments were made in the year 1847, and the conclusions were published in the year 1848.

II.	(1) The weight of the water in the vessel.	100	100
	(2) The weight of the water in the vessel.	100	100
	(3) The weight of the water in the vessel.	100	100
	(4) The weight of the water in the vessel.	100	100
	(5) The weight of the water in the vessel.	100	100

The following table shows the results of the various experiments made by the author, and the conclusions to which he has arrived. The experiments were made in the year 1847, and the conclusions were published in the year 1848.

## Majors for Students in the General Agriculture Curriculum

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy ( 7) 321--Crop Production as Affected by Environmental Factors (I)	3
Agronomy ( 8) 322--Forage Crops (II)	3
Agronomy (22) 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy (11) 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy (13) 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy (14) 331--Grain Grading & Marketing (I)	3
Agronomy (29) 324--Prin. of Field Plot Experimentation (I)	3
Agronomy (36) 325--Corn Breeding (II)	3
Agriculture (16) 216--Experimental & Biological Statistics (I, II)	3

### Other Courses:

Bact. (5a) 104--Introductory Bacteriology (I, II)	3
Botany ( 3) 130--Plant Physiology (I)	5
Botany ( 7) 317--Plant Pathology (I)	3
Ent. (1a & 1b) 101 & 102--Destructive & Useful Insects (I, II)	3 & 2
Math. (2 or 3) 112 or 111--College Algebra (I, II)	3 or 5
Speech ( 1) 101--Principles of Effective Speaking (I, II)	3

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## Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>		<u>Hours</u>
Agronomy ( 3)	307--Principles of Soil Conservation (II)	3
Agronomy ( 7)	321--Crop Production as Affected by Environment (I)	3
Agronomy ( 8)	322--Forage Crops (II)	3
Agronomy (10)	301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy (11)	302--Microorganisms in Soil Fertility (I)	3
Agronomy (13)	303--Soil Productivity (II)	3
Agronomy (33)	306--Chemistry of Fertilizers and Their Soil Reactions (I)	3
Agr. Econ. (20)	120--Farm Management (I, II)	3
Agr. Econ. (25)	325--Advanced Farm Management (I, II)	3
Agr. Eng. ( 5)	252--Surveying, Drainage, etc. (II)	3
An. Sci. ( 6)	201--Livestock Management (II)	3
or Da. Prod. (20)	311--Problems in Dairy Farming (I)	3
Forestry ( 1)	101--General Forestry (II)	3

### Other Courses:

Bact. (5a & 5b)	104 & 105--Introductory Bacteriology (I,II)	5
Botany ( 3)	130--Plant Physiology (I)	3
Entom. (1a & 1b)	101 & 102--Destructive and Useful Insects (I, II)	5

THE HISTORY OF THE UNITED STATES OF AMERICA

THE HISTORY OF THE UNITED STATES OF AMERICA, FROM THE FIRST SETTLEMENTS TO THE PRESENT TIME. BY JAMES M. SMITH, LL.D. VOL. I. NEW YORK: PUBLISHED BY J. B. LIPPINCOTT, 1854.

CONTENTS.	
CHAPTER I.	THE FIRST SETTLEMENTS.
CHAPTER II.	THE EARLY HISTORY OF THE COLONIES.
CHAPTER III.	THE STRUGGLE FOR INDEPENDENCE.
CHAPTER IV.	THE CONSTITUTION AND THE UNION.
CHAPTER V.	THE WESTERN EXPLORATIONS.
CHAPTER VI.	THE GROWTH OF THE UNION.
CHAPTER VII.	THE WAR OF 1812.
CHAPTER VIII.	THE MONROE DOCTRINE.
CHAPTER IX.	THE ADAMSONS.
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CHAPTER XLIX.	THE ADAMSONS.
CHAPTER L.	THE ADAMSONS.

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## Majors for Students in General Agriculture Curriculum

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Hort. ( 3) 242--Commercial Vegetable Production (II)	3
Hort. (17) 317--Plant Pathology (I)	3
Hort. (44) 361 & 362--Current Pomological and Vegetable Crop Literature (I, II)	2-4
Hort. (52) 308--Vegetable Diseases (I)	3
Hort. (56) 346--Growing Vegetables for Manufacturing (II)	3
Agr. Econ. (36) 333--Marketing Horticultural Products (II)	3
Agronomy (22) 323--Improvement of Farm Crops by Breeding (I)	3
Hort. (12) 382--Improvement of Horticultural Crops by Breeding (II)	3
Hort. (new) 343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort. (new) 345--Growth and Development of Vegetable Crops (I, alternate years)	4

### Other Courses:

Bact. (5a & 5b) 104 & 105--Introductory Bacteriology with Lab. (I, II)	5
Bot. ( 3) 130--Plant Physiology (I)	3
Entom. (1a & 1b) 101 & 102--Destructive and Useful Insects (I, II)	5



UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE ASSISTANT SECRETARY FOR TECHNICAL ASSISTANCE  
WASHINGTON, D. C. 20250

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## Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture ( 2) 162--Small Fruit Culture (II)	3
Horticulture ( 7) 204--Spraying (II)	3
Horticulture ( 8) 263--Orcharding (I)	5
Horticulture (44) 301 & 302--Current Pomological and Vegetable Crop Literature (I, II)	2-4
Agr. Econ. (46) 333--Marketing Horticultural Products (I)	3
Horticulture (17) 317--Plant Pathology (I)	3
Horticulture (12) 382--Improvement of Horticultural Crops by Breeding (II)	3

### Other Courses:

Botany ( 3) 130--Plant Physiology (I)	5
Bact. (5a & 5b) 104 & 105--Introductory Bacteriology With Laboratory (I, II)	5
Entom. (1a & 1b) 101 & 102--Destructive and Useful Insects With Laboratory (I, II)	5
Entomology (20) 319--Insect Control (I)	4

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships<sup>1/</sup>, rural social welfare work, rural recreation, rural library work, etc.

<u>Agricultural Courses:</u>	<u>Hours</u>
*Agr. Econ. ( 7) 277--Rural Sociology (II)	3
Agr. Econ. (12) 177--Rural Organizations (II)	3
Agr. Econ. (20) 120--Farm Management (I, II)	3
Agr. Econ. (30) 130--Marketing Agricultural Products (I,II)	3
Agr. Engin. (24) 361--Farm Home Planning (II)	2

### Other Courses:

*Psychology ( 1) 100--Introduction to Psychology (I, II)	4
*Sociology ( 1) 100--Principles of Sociology (I, II)	3
Sociology (14) 344--Public Opinion (I, II)	3
Speech ( 1) 101--Principles of Effective Speaking(I,II)	3
Soc. Wel. Adm. (20) 220--Introduction to Social Work (I, II)	3
Soc. Wel. Adm. (22) 222--Social Welfare Administration (I, II)	2
Economics (52) 216--Fiscal System of Illinois (II)	3
*Pol. Science (1a) 150--American Government (I, II)	3
P. E. M. (14) 211--Recreation and Social Activities(I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked \*; at least two courses from English (12) 113, (13) 114, (20a) 122 and (20b) 121; at least one course from History (1a) 111, (1b) 112, (16a) 353 and (16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

THE UNITED STATES OF AMERICA  
DOPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
WASHINGTON, D. C.

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(2) The following information is being furnished to you for your information and guidance:



General Agriculture Curriculum  
(for the degree, Bachelor of Science in Agriculture, with major for  
teachers of vocational agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 105(5)-Botany for Agr. Students	3	Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3
Hygiene 102(2) or 105(5)-Hygiene and Sanitation	2	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric Composition	3	Zool. 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

Second Year

Geol. 105(44)-Agricultural Geol.	3	Agron. 201(2)-Soils	5
Chem. 132(32)-Elem.Org.Chem.	3	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

Third Year

Educ. 100(1)-The Am. Pub. School	2	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-Hist. of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Education 109(25)-Educational Psychology	3
Agr. Eng. 111(7)-Farm Structures	3	Agricultural Electives	6 to 9
Agricultural Electives	3 to 6		
Total	15 to 18	Total	15 to 18

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-weeks period.

Agr. Educ. 276(50)-Practice Teach.	5	Pol. Sci. 150(1a)-American Govt.	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities)	11-17
Educ. 240(6b)-Prin. of Secondary Education	3		
Agr. Eng. 201(21), Da. Prod. 204(33) or other Agr. Elective	2 to 3		
Total	15 to 16	Total	14 to 20

Total hours credit required for the B. S. degree

130



Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum (total 24 to 25 semester hours)<sup>1/</sup>

<u>Courses</u>	<u>Hours</u>	<u>Courses</u>	<u>Hours</u>
Agricultural Economics 100(1)- Introductory Agric. Economics	3	Dairy Prod. 100(24a)-Introduction to Dairy Production	3
Agricultural Engineering 101(1)- Intro. to Agric. Engineering	3	Horticulture 161(1a)-Introductory Pomology & Ornamental Gardening	3
Agronomy 121(1)-Farm Crops	4	Forestry 101(1) or 102(2), or Hort. 142(1b)-General Forestry or Farm Forestry, or Intro. to Vegetable Crops	3 or 2
Animal Science 101(1) and 102(21)-Intro. to Animal Science and Prin. of Feeding	6		

#### Fifth Year

(for the degree, Master of Science in Agricultural Education)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Agricultural Courses with Graduate credit	2	Agricultural Courses with Graduate credit	2
Educ. 409(125)-Advanced Educ. Psychology	1	Educ. 400(101)-Philos. of Educ. or Educ. 302(30)-Hist. of Am. Education	1
Electives	1	Electives	1
<b>Total</b>	<u>4</u>	<b>Total</b>	<u>4</u>

<sup>1/</sup> Students who know that they will prepare for teaching vocational agriculture should substitute Agricultural Engineering 112(6) for Agricultural Engineering 101(1). Any student who substitutes Agricultural Engineering 112(6) for Agricultural Engineering 101(1) must also take Agricultural Engineering 111 (7). Prospective teachers may also postpone Group 1 subjects to the junior year in order to take Agricultural Engineering 111(7), Psychology 100(1), Education 100(1), or other subjects approved by the faculty adviser. Any Group 1 subject thus postponed must be taken later.



1. The first part of the report is devoted to a general survey of the situation in the country. It is followed by a detailed analysis of the various factors which have contributed to the present state of affairs.

Year	Population	Area	Production
1910	1,200,000	10,000 sq. miles	100,000 tons
1920	1,500,000	12,000 sq. miles	120,000 tons
1930	1,800,000	14,000 sq. miles	140,000 tons
1940	2,100,000	16,000 sq. miles	160,000 tons
1950	2,400,000	18,000 sq. miles	180,000 tons
1960	2,700,000	20,000 sq. miles	200,000 tons
1970	3,000,000	22,000 sq. miles	220,000 tons
1980	3,300,000	24,000 sq. miles	240,000 tons
1990	3,600,000	26,000 sq. miles	260,000 tons
2000	3,900,000	28,000 sq. miles	280,000 tons

The second part of the report is devoted to a detailed analysis of the various factors which have contributed to the present state of affairs.

Year	Population	Area	Production
1910	1,200,000	10,000 sq. miles	100,000 tons
1920	1,500,000	12,000 sq. miles	120,000 tons
1930	1,800,000	14,000 sq. miles	140,000 tons
1940	2,100,000	16,000 sq. miles	160,000 tons
1950	2,400,000	18,000 sq. miles	180,000 tons
1960	2,700,000	20,000 sq. miles	200,000 tons
1970	3,000,000	22,000 sq. miles	220,000 tons
1980	3,300,000	24,000 sq. miles	240,000 tons
1990	3,600,000	26,000 sq. miles	260,000 tons
2000	3,900,000	28,000 sq. miles	280,000 tons

The third part of the report is devoted to a detailed analysis of the various factors which have contributed to the present state of affairs. It is followed by a detailed analysis of the various factors which have contributed to the present state of affairs.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE--For the Degree, Bachelor of Science in Agriculture,  
with major for teachers of vocational agriculture

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			Earned:  To be earned:  A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
	credit	grade		credit	grade	
Agr. Econ. (1) 100	3					
Agr. Econ. (20) 120	3					
Agr. Eng. (6) 112	3					
Agr. Eng. (7) 111	3					
Agron. (1) 121	4					
Agron. (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					
Da. Prod.(24a) 100	3					
Hort. (1a) 161	3					
Forestry(1 or 2) 101 or 102 or Hort. (1b) 142	3-2					
NON-AGRICULTURE PRESCRIBED:			HUMANITIES & SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany (5) 105	3		History (3b) 152	3		
Chemistry (1 or 2)101 or 102	5-3		Pol. Sci. (1a) 150	3		
Chemistry (32) 132	3		Psychol. (1) 100	4		
Economics (2) 108	3		Speech (1) 101	3		
Geology (44) 105	3		Humanities elective	2-3		
Hygiene	2		EDUCATION COURSES PRESCRIBED:			
Rhetoric (1) 101	3		Education (1) 100	2		
Rhetoric (2) 102	3		Education (25) 109	3		
Zoology (15) 104	4		Education (6b) 240	3		
Military	1		Agr. Educ. (50) 276	5		D GRADES:
Military	1		Agr. Educ. (51) 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P.E.	1					
P.E.	1					
P.E.	1					
P.E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.





Dairy Technology Curriculum  
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3
Da. Tech. 101(1)-Intro. to Da. Technology	3	Da. Prod. 100(24a)-Intro. to Dairy Prod.	3
Hygiene 105(5)-Hygiene and Sanitation	2	Math. 114(4)-Trigonometry	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	15 or 13	Total	15 or 13

Second Year

Bact. 104(5a) and 105(5b)-Intro. to Bacteriology	5	Dairy Prod. 180(1)-Da. Chem.	3
Chem. 105(5)-Qualitative Analysis	5	Da. Prod. 150(11)-Da. Bact.	2
Da. Techn. 103(3)-Judging of Dairy Products	1	Da. Prod. 151(12)-Da. Bact.	3
Econ. 108(2)-Elem. of Economics	3	Chem. 122(22)-Analytical, Quantitative	5
Physical Education	1	Da. Tech. 104(4)-Judging of Dairy Products	1
Military Science (for men)	1	Physical Education	1
Total	16	Military Science (for men)	1
		Total	16

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Butter Mfr.	3
Chem. 133(33)-Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Sound, Heat)	5	Accy. 201(12)-Fundamentals of Accounting	3
Electives	5	Physics 102(4b)-General Physics (Light, Elect., Magnetism)	5
Total	18	Electives	3
		Total	17

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed and Powdered Milk	3
Electives	15	Electives	15
Total	18	Total	18

Total hours credit required for the B. S. degree

130

THE HISTORY OF THE  
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME  
BY SAMUEL JOHNSON

1786

1630	1634	1638	1642	1646	1650	1654	1658	1662	1666	1670	1674	1678	1682	1686	1690	1694	1698	1702	1706	1710	1714	1718	1722	1726	1730	1734	1738	1742	1746	1750	1754	1758	1762	1766	1770	1774	1778	1782	1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022
1630	1634	1638	1642	1646	1650	1654	1658	1662	1666	1670	1674	1678	1682	1686	1690	1694	1698	1702	1706	1710	1714	1718	1722	1726	1730	1734	1738	1742	1746	1750	1754	1758	1762	1766	1770	1774	1778	1782	1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022

1786

1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022
1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022

1786

1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022
1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022

1786

1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022
1786	1790	1794	1798	1802	1806	1810	1814	1818	1822	1826	1830	1834	1838	1842	1846	1850	1854	1858	1862	1866	1870	1874	1878	1882	1886	1890	1894	1898	1902	1906	1910	1914	1918	1922	1926	1930	1934	1938	1942	1946	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994	1998	2002	2006	2010	2014	2018	2022

Suggested Group I electives. Minimum 15 hours

Agr. Econ. 334(34)--Marketing of Dairy Products  
 Da. Prod. 350(10)--Advanced Dairy Bacteriology  
 Da. Prod. 380(5)--Advanced Dairy Chemistry  
 Vet. Path. and Hygiene 105(5)--Animal Hygiene  
 Da. Technology 308(16)--Plant Management  
 Da. Technology 201(15)--Special Problems  
 Home Econ. 120(38)--Elementary Nutrition

Suggested Group II electives. Minimum 12 hours

Rhet. 151(10)--Business Letter Writing  
 Speech 101(1)--Principles of Effective Speaking  
 Bus. Law 261(2)--Elementary Law of Business  
 B. O. & O. 101(2)--Marketing Organization and Operation  
 B. O. & O. 211(3)--Principles of Retailing  
 B. O. & O. 271(7)--Salesmanship  
 Economics 250(3)--Money, Credit, and Banking  
 Economics 240(41)--Labor Problems  
 Economics 248(43)--Personnel Administration  
 Pol. Sci. 150(1a) and 151(1b)--American Government  
 Soc. 100(1)--Principles of Sociology  
 Psych. 100(1)--Introduction to Psychology  
 French 101(1a) and 102(1b)--Elementary French  
 German 110(1a) and 120(1b)--Elementary German





130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

2/6/48

ACA365





**Floriculture Curriculum**  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. A minimum of 4 hours is required in addition to prescribed courses in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 105(5)-Botany for Students in Agriculture	3	Physical Education	1
Hygiene 102(2) or 105(5)-Hygiene and Sanitation	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>16 to 18</b>

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>16 to 18</b>

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
<b>Total</b>	<b>15 to 18</b>	<b>Total</b>	<b>15 to 18</b>



Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding	
Electives	12 to 15	Plants	3
		Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of	
		Landscape Architecture	3
		Electives	6 to 9
Total	<u>15 to 18</u>	Total	<u>15 to 18</u>

NOTE: The following courses are suggested as electives which may be taken during the third or fourth year: Agronomy 323(22); Botany 322(46); Business Law 261(2); B.O.O. 101(2), 271(7), 381(8); Entomology 319(20); Horticulture 204(7), 382(12), 345; Rhetoric 151(10).

Total hours credit required for graduation

130





UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

Name	Curriculum in FLORICULTURE				Date
Prescribed Courses	CREDIT	GRADE	CREDIT	GRADE	SUMMARY
					Group 2
Accy.(1a) 101	3				
Accy.(1b) 105	3				Earned _____
Agron.(2) 201	5				To be earned _____
Bot.(3) 130	5				
Bot.(5) 105	3				
Bot.(6) 160	3				
Bot.(7) 317	3				
Chem. (1 or 2) 101 or 102	5-3				
Chem. (32) 132	3				TOTAL HOURS*
Econ.(2) 108	3				Earned _____
Entom. (1a-1b) 101-102	3-2				
Geol. (44) 105	3				
Hort.(5) 121	3				
Hort.(15a) 122	3				
Hort.(15b) 223	3				
Hort.(15c) 224	3				
Hort.(30) 226	3				
Hort.(31) 230	3				
Hort.(32a) 231	3				
Hort.(32b) 232	3				
Hort.(43) 321	3				
Hort.(45) 322	3				
L. Arch.(51) 251	3				
L. Arch.(52) 252	3				
L. Arch.(64) 164	3				
Rhet.(1) 101	3				
Rhet.(2) 102	3				
Hyg.	2				
Mil.					
Mil.					
Mil.					
Mil.					
P. Ed.					D grades*
P. Ed.					Earned _____

\* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.

General Information		Financial Statement		Personnel		Attendance	
Year	1900	Amount	Balance	Number	Salary	Present	Absent
Month	Jan	100.00	50.00	10	100.00	8	2
Feb	100.00	50.00	10	100.00	8	2	
Mar	100.00	50.00	10	100.00	8	2	
Apr	100.00	50.00	10	100.00	8	2	
May	100.00	50.00	10	100.00	8	2	
Jun	100.00	50.00	10	100.00	8	2	
Jul	100.00	50.00	10	100.00	8	2	
Aug	100.00	50.00	10	100.00	8	2	
Sep	100.00	50.00	10	100.00	8	2	
Oct	100.00	50.00	10	100.00	8	2	
Nov	100.00	50.00	10	100.00	8	2	
Dec	100.00	50.00	10	100.00	8	2	
Total	1200.00	600.00	120	1200.00	96	24	

The following table shows the results of the examination of the pupils of the Board of Education for the year 1900. The table is divided into two parts, one for the first half of the year and one for the second half. The first part shows the results of the examination of the pupils of the first half of the year, and the second part shows the results of the examination of the pupils of the second half of the year. The table shows the number of pupils who passed the examination, the number of pupils who failed the examination, and the number of pupils who were absent from the examination. The table also shows the number of pupils who were present at the examination, the number of pupils who were absent from the examination, and the number of pupils who were absent from the examination.



**Food Technology Curriculum**  
(for the degree, Bachelor of Science in Food Technology)

This curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

First Year

First Semester	Hours	Second Semester	Hours
Math. 111(3)-College Algebra <sup>1/</sup>	5	Math. 114(4)-Plane Trigonometry <sup>1/</sup>	2
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic and Qualitative Chemistry	5
Botany 105(5)-Botany for Students in Agriculture	3	Zool. 104(15)-Animal Biology	4
Physical Education	1	Hygiene 105(5)-Hygiene and Sanitation	2
Military Science (for men)	1	Physical Education	1
		Military Science (for men)	1
<b>Total</b>	<b>16 or 18</b>	<b>Total</b>	<b>18</b>

Second Year

Chem. 122(22)-Quantitative Chem.	5	Chem. 133(33)-Organic Chemistry	5
Physics 101(4a)-General Physics (Mechanics, Sound, Heat)	5	Physics 102(4b)-General Physics (Light, Electricity, and Magnetism)	5
Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Econ. 108(2)-Elements of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
		Electives	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>18</b>

Third Year

Chem. 350(50)-Biochemistry	5	Chem. 329(29b)-Food Analysis	5
Agr. Econ. 130(30)-Marketing of Agr. Products	3	Bact. 308(8)-Food and Applied Bacteriology	5
Accy. 201(12)-Fundamentals of Accounting	3	Home Econ. 324(41)-Principles of Human Nutrition	3
Electives	5	Electives	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

Fourth Year

Electives	16	Electives	16
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

The minimum number of elective hours must be selected from the following three groups as indicated:

<sup>1/</sup> The student planning to take advanced work in chemistry may substitute Mathematics 117(10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

[illegible]

1. The first of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the People of the South (CLPS) in the United States. The Commission is therefore unable to determine whether the CLPS is a legitimate organization or a subversive group.

Year	Project Name	Amount	Source
1950	1. Construction of a new building for the library	\$10,000	City of New York
1951	2. Purchase of books and periodicals	\$5,000	State of New York
1952	3. Renovation of the existing building	\$15,000	Federal Government
1953	4. Purchase of new furniture and equipment	\$3,000	Private Donations
1954	5. Construction of a new wing for the library	\$20,000	City of New York
1955	6. Purchase of books and periodicals	\$5,000	State of New York
1956	7. Renovation of the existing building	\$15,000	Federal Government
1957	8. Purchase of new furniture and equipment	\$3,000	Private Donations
1958	9. Construction of a new wing for the library	\$20,000	City of New York
1959	10. Purchase of books and periodicals	\$5,000	State of New York
1960	11. Renovation of the existing building	\$15,000	Federal Government
1961	12. Purchase of new furniture and equipment	\$3,000	Private Donations
1962	13. Construction of a new wing for the library	\$20,000	City of New York
1963	14. Purchase of books and periodicals	\$5,000	State of New York
1964	15. Renovation of the existing building	\$15,000	Federal Government
1965	16. Purchase of new furniture and equipment	\$3,000	Private Donations
1966	17. Construction of a new wing for the library	\$20,000	City of New York
1967	18. Purchase of books and periodicals	\$5,000	State of New York
1968	19. Renovation of the existing building	\$15,000	Federal Government
1969	20. Purchase of new furniture and equipment	\$3,000	Private Donations
1970	21. Construction of a new wing for the library	\$20,000	City of New York
1971	22. Purchase of books and periodicals	\$5,000	State of New York
1972	23. Renovation of the existing building	\$15,000	Federal Government
1973	24. Purchase of new furniture and equipment	\$3,000	Private Donations
1974	25. Construction of a new wing for the library	\$20,000	City of New York
1975	26. Purchase of books and periodicals	\$5,000	State of New York
1976	27. Renovation of the existing building	\$15,000	Federal Government
1977	28. Purchase of new furniture and equipment	\$3,000	Private Donations
1978	29. Construction of a new wing for the library	\$20,000	City of New York
1979	30. Purchase of books and periodicals	\$5,000	State of New York
1980	31. Renovation of the existing building	\$15,000	Federal Government
1981	32. Purchase of new furniture and equipment	\$3,000	Private Donations
1982	33. Construction of a new wing for the library	\$20,000	City of New York
1983	34. Purchase of books and periodicals	\$5,000	State of New York
1984	35. Renovation of the existing building	\$15,000	Federal Government
1985	36. Purchase of new furniture and equipment	\$3,000	Private Donations
1986	37. Construction of a new wing for the library	\$20,000	City of New York
1987	38. Purchase of books and periodicals	\$5,000	State of New York
1988	39. Renovation of the existing building	\$15,000	Federal Government
1989	40. Purchase of new furniture and equipment	\$3,000	Private Donations
1990	41. Construction of a new wing for the library	\$20,000	City of New York
1991	42. Purchase of books and periodicals	\$5,000	State of New York
1992	43. Renovation of the existing building	\$15,000	Federal Government
1993	44. Purchase of new furniture and equipment	\$3,000	Private Donations
1994	45. Construction of a new wing for the library	\$20,000	City of New York
1995	46. Purchase of books and periodicals	\$5,000	State of New York
1996	47. Renovation of the existing building	\$15,000	Federal Government
1997	48. Purchase of new furniture and equipment	\$3,000	Private Donations
1998	49. Construction of a new wing for the library	\$20,000	City of New York
1999	50. Purchase of books and periodicals	\$5,000	State of New York
2000	51. Renovation of the existing building	\$15,000	Federal Government
2001	52. Purchase of new furniture and equipment	\$3,000	Private Donations
2002	53. Construction of a new wing for the library	\$20,000	City of New York
2003	54. Purchase of books and periodicals	\$5,000	State of New York
2004	55. Renovation of the existing building	\$15,000	Federal Government
2005	56. Purchase of new furniture and equipment	\$3,000	Private Donations
2006	57. Construction of a new wing for the library	\$20,000	City of New York
2007	58. Purchase of books and periodicals	\$5,000	State of New York
2008	59. Renovation of the existing building	\$15,000	Federal Government
2009	60. Purchase of new furniture and equipment	\$3,000	Private Donations
2010	61. Construction of a new wing for the library	\$20,000	City of New York
2011	62. Purchase of books and periodicals	\$5,000	State of New York
2012	63. Renovation of the existing building	\$15,000	Federal Government
2013	64. Purchase of new furniture and equipment	\$3,000	Private Donations
2014	65. Construction of a new wing for the library	\$20,000	City of New York
2015	66. Purchase of books and periodicals	\$5,000	State of New York
2016	67. Renovation of the existing building	\$15,000	Federal Government
2017	68. Purchase of new furniture and equipment	\$3,000	Private Donations
2018	69. Construction of a new wing for the library	\$20,000	City of New York
2019	70. Purchase of books and periodicals	\$5,000	State of New York
2020	71. Renovation of the existing building	\$15,000	Federal Government
2021	72. Purchase of new furniture and equipment	\$3,000	Private Donations
2022	73. Construction of a new wing for the library	\$20,000	City of New York
2023	74. Purchase of books and periodicals	\$5,000	State of New York
2024	75. Renovation of the existing building	\$15,000	Federal Government
2025	76. Purchase of new furniture and equipment	\$3,000	Private Donations
2			

\_\_\_\_\_



Group I. Minimum 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

Agr. Econ. 331(31) (Same as Agron. 331(14)-Grain grading and marketing	3
Agr. Econ. 334(34)--Marketing dairy products	2
Agr. Econ. 333(36)--Marketing horticultural products	3
Agr. Econ. 332(37)--Marketing livestock and meats	3
An. Sci. 104(36)--Meats	2
An. Sci. 204(10)--Slaughtering and processing	3
An. Sci. 205(24)--Meat grading	3
Bact. 309(9)--Bacterial nutrition and vitamin assays	3
Da. Prod. 180(1)--Chemical control methods for dairy plants	3
Da. Prod. 380(5)--Composition of dairy products	3
Da. Prod. 350(10)--Advanced dairy bacteriology	4
Da. Prod. 150(11)--General dairy bacteriology (Milk sanitation)	2
Da. Prod. 151(12)--General dairy bacteriology (Contamination and control)	2
Da. Tech.--All courses listed in this curriculum not required in the curriculum in Food Technology	
Home Econ. 330(63)--Experimental foods	3
Hort. 346(56)--Growing vegetables for manufacture	3

Group II. Minimum 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, speech.

Group III. Minimum 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, physics.

Total hours credit required for graduation

130





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:		credit	grade	GROUP I: A minimum of 25 hours selected from the following Agricultural courses:		credit	grade
Accountancy (12) 201		3		Agr. Econ. (31) 331		3	
Agr. Econ. (30) 130		3		Agr. Econ. (34) 334		2	
Bact. (5a & 5b) 104 & 105		3 & 2		Agr. Econ. (36) 333		3	
Bact. (8) 308		5		Agr. Econ. (37) 332		3	
Botany (5) 105		3		An. Sci. (36) 104		2	
Chem. (1 or 2) 101 or 102		5 or 3		An. Sci. (10) 204		3	
Chem. (5) 105		5		An. Sci. (24) 205		3	
Chem. (22) 122		5		Bact. (9) 309		3	
Chem. (33) 133		5		Da. Prod. (1) 180		3	
Chem. (50) 350		5		Da. Prod. (5) 380		3	
Chem. (29b) 329		5		Da. Prod. (10) 350		4	
Economics (2) 108		3		Da. Prod. (11) 150		2	
Mathematics (3) 111 <sup>1/</sup>		5		Da. Prod. (12) 151		2	
Mathematics (4) 114 <sup>1/</sup>		2		Home Economics (63) 330		3	
Home Economics (41) 324		3		Horticulture (56) 346		3	
Hygiene		2		Da. Tech. (courses required in Da. Tech. curriculum)			
Military		1		GROUP II: Minimum 8 hours selected from courses in econ., English, foreign lang., geog., hist., philos., pol. sci., psych., sociol., speech.			
Military		1		GROUP III: Minimum 5 hours selected from courses not otherwise required or listed in Group I among the following: bact., bot., B.O.&O., chem., engin., math., physics.			
Military		1					
Military		1		Total Hours			
P. E.		1					
P. E.		1					
P. E.		1					
P. E.		1					
Physics (4a) 101		5					
Physics (4b) 102		5					
Rhetoric (1) 101		3					
Rhetoric (2) 102		3					
Zoology (15) 104		4					
OPEN ELECTIVES:							

<sup>1/</sup>The student planning to take advanced work in chemistry may substitute Mathematics 117 (10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

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### Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

<u>First Year</u>			
First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-Inorganic Chemistry	5 or 3	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric Composition	3	Math. 114(4)-Trigonometry	2
Math. 111(3) or 112(2)-Algebra	5 or 3	Geol. 105(44)-Agricultural Geology	3
Bot. 105(5)-Botany for Students in Agriculture	3	Forestry 101(1)-Gen. Forestry	3
Hygiene 105(5)-Hygiene and Sanitation	2	G.E.D. 101(1)-Elements of Drawing	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
<b>Total</b>	<b>16 to 20</b>	<b>Total</b>	<b>17</b>

<u>Second Year</u>			
C. E. 115(15)-General Surveying	3	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Physical Education	1
Chem. 105(5)-Inorganic Chemistry & Qualitative Analysis	5	Military Science (for men)	1
Physical Education	1	Electives	11
Military Science (for men)	1		
Electives	5		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18</b>
Electives: Botany 130(3)-Plant Physiology	5	Electives: Physics 102(4b)-Gen. Physics (Light, Elect., Magnetism)	5
Physics 101(4a)-Gen. Physics (Mechanics, Sound, Heat)	5	Zool. 101(1) or 104(15)-Gen. Zoology	5 or 4
		Bot. 160(6)-Systematic	3
		Spch. 101(1)-Prin. of Effective Speaking	3
		Pol. Sci. 150(1a)-Am. Govt.	3
		Geog. 111(14)-Meteorology	3



### Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the agricultural science curriculum under option II. Interested students should call at Room 104 Mumford Hall for an outline of the plan.

### Agricultural Engineering Curriculum (for the degree of Bachelor of Science in Agricultural Engineering)

This curriculum is administered by the College of Engineering with the cooperation of the Department of Agricultural Engineering in the College of Agriculture. Interested students should inquire at the office of the Associate Dean, College of Engineering, 300 Engineering Hall.



A plan has been devised for the College of Agriculture and the College of Law to which a certain part of the degree of Bachelor of Agriculture and the degree of Bachelor of Law is given. In this case the student must first satisfy as to his ability in the College of Agriculture and then the College of Law. After this he receives the degree of Bachelor of Agriculture and the degree of Bachelor of Law. The student who has received the degree of Bachelor of Agriculture and the degree of Bachelor of Law is called a Bachelor of Agriculture and Law. This is the first time that a student has received both degrees at the same time. The student who has received the degree of Bachelor of Agriculture and the degree of Bachelor of Law is called a Bachelor of Agriculture and Law. This is the first time that a student has received both degrees at the same time.

THE NEW SYSTEM OF EDUCATION  
(The degree of Bachelor of Agriculture and Law)

This system is maintained by the College of Agriculture and the College of Law. The student who has received the degree of Bachelor of Agriculture and the degree of Bachelor of Law is called a Bachelor of Agriculture and Law. This is the first time that a student has received both degrees at the same time.







# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

Robert R. Hudelson, Associate Dean  
C. D. Smith, Administrative Assistant

University of Illinois College of Agriculture  
Urbana, Illinois

August 1949

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## CONTENTS

	Page
Student Objectives	1
Student Plans and Student Guidance	1
Curricula and Majors as Educational Programs	3
Work Sheet	6
Curricula of the College of Agriculture:	
Agricultural Science Curriculum	7
General Agriculture Curriculum	10
Suggested Majors for Students in the General Agriculture Curriculum:	
Animal and Poultry Science	12
Dairy Production	13
Farm Crops	13
Soil Conservation	14
Pomology	15
Vegetable Crops	15
Mechanization	16
Farm Management and Farm Finance	17
Agricultural Marketing	18
Rural Group Leadership	19
Vocational Agriculture (for Smith-Hughes teachers)	20
Agriculture and Agricultural Engineering, Five-Year Program	23
Agriculture and Law, Six-Year Program	25
Dairy Technology Curriculum	27
Floriculture Curriculum	30
Food Technology Curriculum	33
Restaurant Management Curriculum	36
Preforestry (two year) Curriculum	39

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Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_,  
                                (Number and Street)                      (Champaign or Urbana)

Home Address: \_\_\_\_\_  
                                \_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone \_\_\_\_\_

Office Hours: \_\_\_\_\_





## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

---

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944



## Introduction

There is a great deal of interest in the study of the history of the United States, and it is not surprising that the study of the history of the United States is one of the most popular of all. The study of the history of the United States is not only a study of the past, but it is also a study of the present and the future. The study of the history of the United States is a study of the people who have lived in this country, and it is a study of the things that they have done. The study of the history of the United States is a study of the ideas that have shaped our country, and it is a study of the values that we have inherited. The study of the history of the United States is a study of the challenges that we have faced, and it is a study of the solutions that we have found. The study of the history of the United States is a study of the progress that we have made, and it is a study of the work that we still have to do.

The importance of studying the history of the United States is that it helps us to understand the world in which we live. It helps us to see the patterns of human behavior, and it helps us to see the forces that shape our society. It helps us to see the mistakes that we have made, and it helps us to avoid them in the future. It helps us to see the achievements that we have made, and it helps us to build on them. It helps us to see the challenges that we face, and it helps us to meet them. It helps us to see the progress that we have made, and it helps us to continue to move forward.

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The study of the history of the United States is a study of the people who have lived in this country, and it is a study of the things that they have done. The study of the history of the United States is a study of the ideas that have shaped our country, and it is a study of the values that we have inherited. The study of the history of the United States is a study of the challenges that we have faced, and it is a study of the solutions that we have found. The study of the history of the United States is a study of the progress that we have made, and it is a study of the work that we still have to do. The study of the history of the United States is a study of the world in which we live, and it is a study of the forces that shape our society. It is a study of the mistakes that we have made, and it is a study of the solutions that we have found. It is a study of the achievements that we have made, and it is a study of the work that we still have to do. It is a study of the challenges that we face, and it is a study of the progress that we have made. It is a study of the world in which we live, and it is a study of the forces that shape our society.

## History of the United States

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Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Personnel Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

While it is true that the Commission has not yet completed its work, it is also true that it has made significant progress. The Commission has held numerous public hearings and has received many suggestions from the public. It has also conducted extensive research and has developed many proposals. The Commission is confident that it will be able to complete its work in a timely and effective manner.

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### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, six curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. Agricultural Science
2. General Agriculture
3. Dairy Technology
4. Floriculture
5. Food Technology
6. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 12 to 19. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 20 to 22.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training



# THE HISTORY OF THE UNITED STATES

The History of the United States is a subject of great importance and interest to all who are concerned with the progress of the human race. It is a subject which has attracted the attention of the most distinguished writers of the age, and which has been the subject of many valuable and interesting works.

The following is a list of the principal works on this subject:

1. The History of the United States, by John Adams.
2. The History of the United States, by Thomas Jefferson.
3. The History of the United States, by James Madison.
4. The History of the United States, by James Monroe.
5. The History of the United States, by James M. Smith.
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but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.





TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940<sup>a/</sup>

Occupational groups	1930		1940	
	Number replying to questionnaire	Percent of all persons replying	Number replying to questionnaire	Percent of all persons replying
<b>Educational workers</b>				
College teachers .....	163	7.8	131	7.8
College administrators .....	6	.3	9	.5
Directors of extension .....	2	.1	11	.7
Extension specialists .....	33	1.1	43	2.6
County agents .....	108	5.0	97	5.8
High-school teachers .....	278	13.3	291	17.2
Coaches .....	9	.4	5	.3
<b>Professional technicians</b>				
Agronomists .....	29	1.4	76	4.5
Bacteriologists .....	1	0	6	.4
Chemists .....	24	1.2	16	1.0
Economists .....	14	.7	18	1.1
Engineers .....	33	1.6	24	1.4
Entomologists .....	13	.6	8	.5
Horticulturists .....	14	.7	5	.3
Statisticians .....	0	0	6	.4
Zoologists .....	0	0	2	.1
U.S.D.A. officials .....	14	.7	23	1.4
Farm Security Administration supervisors .....	0	0	49	2.9
Foresters .....	5	.2	0	0
<b>Subprofessional technicians</b>				
Inspectors .....	12	.6	19	1.1
Butter and ice-cream makers .....	3	.1	5	.3
Herdsmen .....	2	.1	9	.5
Miscellaneous .....	9	.4	2	.1
<b>Business managers and employees</b>				
Industrial managers .....	99	4.8	78	4.6
Wholesale managers .....	39	1.9	69	4.1
Retail managers .....	56	2.7	28	1.7
Buyers .....	18	.9	11	.7
Officers .....	32	1.5	29	1.7
Clerks .....	17	.8	26	1.5
Salesmen and salesmanagers .....	125	6.0	52	3.1
<b>Insurance, loan, real-estate agents</b>				
Insurance salesmen .....	39	1.9	28	1.7
Real-estate salesmen .....	17	.8	17	1.0
Loan agents .....	28	1.3	26	1.5
Bank officials .....	20	1.0	10	.6
Appraisers .....	10	.5	16	1.0
<b>Farmers</b>				
Operators (owners, tenants) .....	459	22.1	240	14.3
Managers .....	58	2.8	48	2.9
Hands .....	0	0	3	.2
<b>Others</b>				
Florists and landscape gardeners .....	157	7.5	36	2.1
Hatcherymen .....	11	.5	5	.3
Lawyers .....	10	.5	8	.5
Doctors and dentists .....	14	.7	9	.5
Ministers .....	9	.4	6	.4
Soldiers .....	6	.3	8	.5
Public officials .....	19	.9	9	.5
Artists and musicians .....	8	.4	0	0
Journalism and advertising .....	51	2.4	32	1.9
Skilled tradesmen .....	3	.1	5	.3
Laborers .....	2	.1	5	.3
Unemployed .....	24	1.1	4	.2
Retired .....	2	.1	1	.1
Students .....	26	1.0	19	1.1
<b>All groups</b> .....	<b>2 107</b>	<b>--</b>	<b>1 683</b>	<b>--</b>

<sup>a/</sup> The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.



Name \_\_\_\_\_

## PROGRAM BY SEMESTERS

Objective \_\_\_\_\_

Curriculum \_\_\_\_\_

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Undergraduate Study Bulletin to determine which semester certain courses are offered.

\_\_\_\_\_ Semester 19\_\_-19\_\_ \_\_\_\_\_ Semester 19\_\_-19\_\_

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	



1. 1920

22

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## CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

- Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
- Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

	Option I Hours	Option II Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	(56 hours from Groups II, III, IV, and V with a minimum of 8 hours in each group and a minimum of 40 hours in any two groups.)
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	12	
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	35	
Electives, Unrestricted	<u>20</u>	<u>23</u>
TOTAL required for graduation	130	130





Agricultural Science Curriculum  
Sample program for first year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Com- position	3	Rhet. 102(2)-Rhetoric and Com- position	3
Math. 112(2) or 111(3)-College Algebra <sup>1/</sup>	3 or 5	Math. 114(4)-Plane Trigonometry <sup>1/</sup>	2
Chem. 101(1) or 102(2)-Inor- ganic Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106(6)-Inorganic Chemistry	5
Hygiene 102(2) or 105(5)- Personal and Environmental Hygiene	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	<u>0 to 5</u>		
Total	15 to 18	Total	15 to 18

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.



## COLLEGE OF AGRICULTURE

Date \_\_\_\_\_ Name \_\_\_\_\_

Office of Associate Dean      Option and field selected \_\_\_\_\_

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.

Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics.

## GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses  
Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.\*

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 8 hrs.\*

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 12 hrs.; Option II--Minimum of 8 hrs.\*

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 35 hrs.; Option II--Minimum of 8 hrs.\*

Open Electives:

Total hrs. earned \_\_\_\_\_

\*Students who select Option II must earn a total of 56 hours from Groups II, III, IV, & V with a minimum of 8 hours in each group + a minimum of 40 hours in any two groups. 130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.



Name		Age		Sex		Religion		Marital Status		Occupation		Education		Income		Assets		Liabilities		Notes	
John Doe		35		Male		Protestant		Married		Teacher		High School		\$12,000		House, Car		Mortgage, Credit Card		Good	
Jane Smith		28		Female		Catholic		Single		Nurse		College		\$8,500		Apartment		None		Good	
Robert Johnson		42		Male		Jewish		Married		Engineer		University		\$15,000		House, Car, Stocks		Mortgage, Credit Card		Good	
Emily White		31		Female		Muslim		Single		Software Developer		College		\$9,000		Apartment		None		Good	
Michael Brown		25		Male		Buddhist		Single		Student		High School		\$3,000		Room and Board		None		Good	
Sarah Green		38		Female		Hindu		Married		Manager		College		\$11,000		House, Car		Mortgage, Credit Card		Good	
David Lee		29		Male		Sikh		Single		Salesperson		High School		\$6,000		Apartment		None		Good	
Lisa King		33		Female		Atheist		Married		Writer		College		\$7,500		House		Mortgage		Good	
Christopher Hill		40		Male		Agnostic		Married		Consultant		University		\$13,000		House, Car, Stocks		Mortgage, Credit Card		Good	
Amanda Young		27		Female		Deist		Single		Graphic Designer		College		\$5,000		Apartment		None		Good	
Daniel Taylor		36		Male		Jain		Married		Accountant		High School		\$8,000		House, Car		Mortgage, Credit Card		Good	
Nicole Adams		30		Female		Spiritualist		Single		Event Planner		College		\$6,500		Apartment		None		Good	
Kevin Baker		45		Male		Atheist		Married		Retired		High School		\$4,000		House		Mortgage		Good	
Rachel Clark		26		Female		Deist		Single		Marketing Specialist		College		\$7,000		Apartment		None		Good	
Gregory Evans		39		Male		Agnostic		Married		IT Support		High School		\$5,500		House		Mortgage		Good	
Samantha Foster		32		Female		Atheist		Single		Translator		College		\$6,000		Apartment		None		Good	
Benjamin Hall		41		Male		Agnostic		Married		Analyst		University		\$10,000		House, Car		Mortgage, Credit Card		Good	
Victoria King		29		Female		Deist		Single		Publicist		College		\$7,000		Apartment		None		Good	
Nathan Lee		37		Male		Atheist		Married		Chef		High School		\$6,000		House		Mortgage		Good	
Olivia Miller		34		Female		Agnostic		Single		Event Coordinator		College		\$8,000		Apartment		None		Good	
Ethan Wilson		43		Male		Atheist		Married		Architect		University		\$14,000		House, Car, Stocks		Mortgage, Credit Card		Good	
Sophia Young		28		Female		Deist		Single		Dancer		College		\$5,000		Apartment		None		Good	
Liam Adams		35		Male		Agnostic		Married		Salesperson		High School		\$7,000		House		Mortgage		Good	
Isabella Baker		31		Female		Atheist		Single		Model		College		\$9,000		Apartment		None		Good	
Noah Clark		40		Male		Agnostic		Married		Engineer		University		\$11,000		House, Car		Mortgage, Credit Card		Good	
Aria Evans		27		Female		Deist		Single		Designer		College		\$6,000		Apartment		None		Good	
Caleb Foster		36		Male		Atheist		Married		Teacher		High School		\$8,000		House		Mortgage		Good	
Mia Hall		30		Female		Agnostic		Single		Event Planner		College		\$7,000		Apartment		None		Good	
Julian King		42		Male		Atheist		Married		Consultant		University		\$13,000		House, Car, Stocks		Mortgage, Credit Card		Good	
Luna Lee		29		Female		Deist		Single		Marketing Specialist		College		\$6,500		Apartment		None		Good	
Ezekiel Miller		38		Male		Agnostic		Married		Salesperson											

General Agriculture Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (soils).

FIRST YEAR

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 105(5)	3	Zool. 104(15)	4
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

SECOND YEAR

Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies, and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Total Required for Graduation 130

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100(1) <sup>1/</sup> --Introductory Agr. Economics	3
Agr. Eng. 101(1)--Introduction to Agr. Engineering	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(24a)--Introduction to Dairy Production	3
Horticulture 161(1a)--Introductory Pomology and Ornamental Gardening, I	3
Forestry 101(1)--General Forestry, or Forestry 102(2)--Farm Forestry, or Hort. 142(1b)--Introduction to Vegetable Crops, II	3 or 2
	25 or 24

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

<sup>1/</sup> Students entering as juniors or seniors should substitute Agr. Econ. 120(20) or Agr. Econ. 130(30) for Agr. Econ. 100(1).





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

**CURRICULUM IN GENERAL AGRICULTURE--**For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	credit	grade		credit	grade	
Agr. Econ. (1) 100	3					Earned:
Agr. Eng. (1) 101	3					To be earned:
Agronomy (1) 121	4					
Agronomy (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Da. Sci. (D.P. 24a) 100	3					
Hort. (1a) 161	3					
Forestry (1 or 2) 101 or 102 or Hort. (1b) 142	3-2					
Total Hours	29-30					
NON-AGRICULTURE PRESCRIBED:			HUMANITIES AND SOCIAL STUDIES--Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.			Earned:
Botany (5) 105	3					
Chemistry (1 or 2) 101 or 102	5-3					
Chemistry (32) 132	3					
Economics (2) 108	3					Earned:
Geology (44) 105	3					To be earned:
Hygiene	2					
Rhetoric (1) 101	3		OPEN ELECTIVES:			TOTAL HOURS:
Rhetoric (2) 102	3					
Zoology (15) 104	4					
Military						
Military						
Military						
Military						
P.E.						
P.E.						
P.E.						
P.F.						D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.



## Suggested Majors in the General Agriculture Curriculum

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science Curriculum.

<u>Agricultural Courses:</u>	<u>Hours</u>
*Animal Science 103 (3)--Breeds and Market Classes of Livestock (I)	5
Animal Science 104 (36)--Selection and Use of Meat (I)	2
Animal Science 201 (6)--Livestock Management (II)	3
One or more of the following:	
Animal Science 206 (33)--Light and Heavy Horses (II)	3
Animal Science 301 (25)--Beef Production (I, II)	3
Animal Science 302 (27)--Sheep Production (II)	3
Animal Science 303 (26)--Pork Production (I, II)	3
Animal Science 304 (37)--Poultry Management (I, II)	3-4
*Animal Science 305 (41)--Animal Genetics (II)	3
*Animal Nutrition 301 (51)--Introduction to Animal Nutrition (II)	3
Agr. Economics 120 (20)--Farm Management (I, II)	3
Agr. Economics 332 (37)--Marketing Livestock (II)	2
Agronomy 322 (8)--Forage Crops and Pastures (I, II)	3
*Agriculture 216 (16)--Experimental and Biological Statistics (I, II)	3

### Other Courses:

Vet. Anatomy 101 (1)--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene 105 (5)--Animal Hygiene (I)	3
Vet. Physiology & Pharm. 102 (2)--Physiology of Domestic Animals (II)	3

Additional courses in Animal Science or in related subjects to be selected in individual cases after consultation with the student's adviser.

\*Required in the Agricultural Science Curriculum for a major in Animal Science.



RESEARCH REPORT ON THE HISTORY OF THE UNITED STATES

The following is a list of the principal events in the history of the United States from 1776 to 1865. The events are arranged in chronological order, and each event is accompanied by a brief description of its significance.

1776-1865

- (1) Declaration of Independence (1776) - The United States declared its independence from Great Britain.
- (2) American Revolution (1775-1783) - The United States fought a war of independence against Great Britain.
- (3) Constitution (1787) - The United States adopted a new constitution.
- (4) Louisiana Purchase (1803) - The United States purchased the Louisiana Territory from France.
- (5) Missouri Compromise (1820) - The United States passed a law that prohibited slavery in the Louisiana Territory.
- (6) Mexican-American War (1846-1848) - The United States fought a war with Mexico.
- (7) California Gold Rush (1848-1855) - A large number of people discovered gold in California.
- (8) Civil War (1861-1865) - The United States fought a war between the North and the South.

1865-1914

- (1) Reconstruction (1865-1877) - The United States rebuilt the South after the Civil War.
- (2) Spanish-American War (1898) - The United States fought a war with Spain.
- (3) World War I (1914-1918) - The United States fought a war with Germany.

The following is a list of the principal events in the history of the United States from 1914 to 1945. The events are arranged in chronological order, and each event is accompanied by a brief description of its significance.

## Suggested Majors for Students in the General Agriculture Curriculum

Dairy Production Major: This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

<u>Agricultural Courses:</u>			<u>Hours</u>
Da. Sci. (D.P. 2b)	104--Dairy Cattle Judging (I,II)		2
Da. Sci. (D.P. 2a)	201--Reproduction, Genetics and Improvement of Dairy Cattle (I)		3
Da. Sci. (D.P. 2a)	202--Feeding Dairy Cattle (II)		3
Da. Sci. (D.P. 20)	311--Problems in Dairy Farming (I)		3
Da. Sci. (D.P. 11)	150--General Dairy Bacteriology (II)		2
Da. Sci. (D.P. 12)	151--General Dairy Bacteriology (II)		3
Da. Sci. (D.P. 34)	334--Marketing Dairy Products (II)		3
Agronomy (8)	322--Forage Crops and Pastures (I,II)		3

### Other Courses:

Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Phy. & Pharm. (2)	102--Physiology of Domestic Animals (II)	3
Bact. (5a & 5b)	104 & 105--Introductory Bacteriology (I, II)	5

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>			<u>Hours</u>
Agriculture (16)	216--Experimental and Biological Statistics (I,II)		3
Agronomy (11)	302--Role of Microorganisms in Soil Fertility (I)		3
Agronomy (13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)		3
Agronomy (7)	321--Crop Production as Affected by the Environment (I)		3
Agronomy (8)	322--Forage Crops and Pastures (I,II)		3
Agronomy (22)	323--Improvement of Farm Crops by Breeding (I)		3
Agronomy (29)	324--Principles of Field Plot Experimentation (I)		3
Agronomy (36)	325--Corn Breeding (II)		3
Agronomy (14)	331--Grain Grading and Marketing (I)		3

### Other Courses:

Bact. (5a)	104--Introductory Bacteriology (I,II)	3
Botany (3)	130--Plant Physiology (I,II)	5
Botany (7)	317--Plant Pathology (I)	3
Entom. (1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Math. (3 or 2)	111 or 112--Algebra or College Algebra (I,II)	5 or 3
Speech (1)	101--Principles of Effective Speaking (I,II)	3

Supposed to be the same as the common English version

There is a great deal of difference between the two versions of the Bible, especially in the Old Testament, where the text is very different from the common English version.

### Table of Contents

(11) 1948-1949	(12) 1949-1950	(13) 1950-1951	(14) 1951-1952
(15) 1952-1953	(16) 1953-1954	(17) 1954-1955	(18) 1955-1956
(19) 1956-1957	(20) 1957-1958	(21) 1958-1959	(22) 1959-1960
(23) 1960-1961	(24) 1961-1962	(25) 1962-1963	(26) 1963-1964
(27) 1964-1965	(28) 1965-1966	(29) 1966-1967	(30) 1967-1968
(31) 1968-1969	(32) 1969-1970	(33) 1970-1971	(34) 1971-1972
(35) 1972-1973	(36) 1973-1974	(37) 1974-1975	(38) 1975-1976
(39) 1976-1977	(40) 1977-1978	(41) 1978-1979	(42) 1979-1980
(43) 1980-1981	(44) 1981-1982	(45) 1982-1983	(46) 1983-1984
(47) 1984-1985	(48) 1985-1986	(49) 1986-1987	(50) 1987-1988
(51) 1988-1989	(52) 1989-1990	(53) 1990-1991	(54) 1991-1992
(55) 1992-1993	(56) 1993-1994	(57) 1994-1995	(58) 1995-1996
(59) 1996-1997	(60) 1997-1998	(61) 1998-1999	(62) 1999-2000
(63) 2000-2001	(64) 2001-2002	(65) 2002-2003	(66) 2003-2004
(67) 2004-2005	(68) 2005-2006	(69) 2006-2007	(70) 2007-2008
(71) 2008-2009	(72) 2009-2010	(73) 2010-2011	(74) 2011-2012
(75) 2012-2013	(76) 2013-2014	(77) 2014-2015	(78) 2015-2016
(79) 2016-2017	(80) 2017-2018	(81) 2018-2019	(82) 2019-2020
(83) 2020-2021	(84) 2021-2022	(85) 2022-2023	(86) 2023-2024
(87) 2024-2025	(88) 2025-2026	(89) 2026-2027	(90) 2027-2028
(91) 2028-2029	(92) 2029-2030	(93) 2030-2031	(94) 2031-2032
(95) 2032-2033	(96) 2033-2034	(97) 2034-2035	(98) 2035-2036
(99) 2036-2037	(100) 2037-2038	(101) 2038-2039	(102) 2039-2040
(103) 2040-2041	(104) 2041-2042	(105) 2042-2043	(106) 2043-2044
(107) 2044-2045	(108) 2045-2046	(109) 2046-2047	(110) 2047-2048
(111) 2048-2049	(112) 2049-2050	(113) 2050-2051	(114) 2051-2052
(115) 2052-2053	(116) 2053-2054	(117) 2054-2055	(118) 2055-2056
(119) 2056-2057	(120) 2057-2058	(121) 2058-2059	(122) 2059-2060
(123) 2060-2061	(124) 2061-2062	(125) 2062-2063	(126) 2063-2064
(127) 2064-2065	(128) 2065-2066	(129) 2066-2067	(130) 2067-2068
(131) 2068-2069	(132) 2069-2070	(133) 2070-2071	(134) 2071-2072
(135) 2072-2073	(136) 2073-2074	(137) 2074-2075	(138) 2075-2076
(139) 2076-2077	(140) 2077-2078	(141) 2078-2079	(142) 2079-2080
(143) 2080-2081	(144) 2081-2082	(145) 2082-2083	(146) 2083-2084
(147) 2084-2085	(148) 2085-2086	(149) 2086-2087	(150) 2087-2088
(151) 2088-2089	(152) 2089-2090	(153) 2090-2091	(154) 2091-2092
(155) 2092-2093	(156) 2093-2094	(157) 2094-2095	(158) 2095-2096
(159) 2096-2097	(160) 2097-2098	(161) 2098-2099	(162) 2099-2100
(163) 2100-2101	(164) 2101-2102	(165) 2102-2103	(166) 2103-2104
(167) 2104-2105	(168) 2105-2106	(169) 2106-2107	(170) 2107-2108
(171) 2108-2109	(172) 2109-2110	(173) 2110-2111	(174) 2111-2112
(175) 2112-2113	(176) 2113-2114	(177) 2114-2115	(178) 2115-2116
(179) 2116-2117	(180) 2117-2118	(181) 2118-2119	(182) 2119-2120
(183) 2120-2121	(184) 2121-2122	(185) 2122-2123	(186) 2123-2124
(187) 2124-2125	(188) 2125-2126	(189) 2126-2127	(190) 2127-2128
(191) 2128-2129	(192) 2129-2130	(193) 2130-2131	(194) 2131-2132
(195) 2132-2133	(196) 2133-2134	(197) 2134-2135	(198) 2135-2136
(199) 2136-2137	(200) 2137-2138	(201) 2138-2139	(202) 2139-2140
(203) 2140-2141	(204) 2141-2142	(205) 2142-2143	(206) 2143-2144
(207) 2144-2145	(208) 2145-2146	(209) 2146-2147	(210) 2147-2148
(211) 2148-2149	(212) 2149-2150	(213) 2150-2151	(214) 2151-2152
(215) 2152-2153	(216) 2153-2154	(217) 2154-2155	(218) 2155-2156
(219) 2156-2157	(220) 2157-2158	(221) 2158-2159	(222) 2159-2160
(223) 2160-2161	(224) 2161-2162	(225) 2162-2163	(226) 2163-2164
(227) 2164-2165	(228) 2165-2166	(229) 2166-2167	(230) 2167-2168
(231) 2168-2169	(232) 2169-2170	(233) 2170-2171	(234) 2171-2172
(235) 2172-2173	(236) 2173-2174	(237) 2174-2175	(238) 2175-2176
(239) 2176-2177	(240) 2177-2178	(241) 2178-2179	(242) 2179-2180
(243) 2180-2181	(244) 2181-2182	(245) 2182-2183	(246) 2183-2184
(247) 2184-2185	(248) 2185-2186	(249) 2186-2187	(250) 2187-2188
(251) 2188-2189	(252) 2189-2190	(253) 2190-2191	(254) 2191-2192
(255) 2192-2193	(256) 2193-2194	(257) 2194-2195	(258) 2195-2196
(259) 2196-2197	(260) 2197-2198	(261) 2198-2199	(262) 2199-2200
(263) 2200-2201	(264) 2201-2202	(265) 2202-2203	(266) 2203-2204
(267) 2204-2205	(268) 2205-2206	(269) 2206-2207	(270) 2207-2208
(271) 2208-2209	(272) 2209-2210	(273) 2210-2211	(274) 2211-2212
(275) 2212-2213	(276) 2213-2214	(277) 2214-2215	(278) 2215-2216
(279) 2216-2217	(280) 2217-2218	(281) 2218-2219	(282) 2219-2220
(283) 2220-2221	(284) 2221-2222	(285) 2222-2223	(286) 2223-2224
(287) 2224-2225	(288) 2225-2226	(289) 2226-2227	(290) 2227-2228
(291) 2228-2229	(292) 2229-2230	(293) 2230-2231	(294) 2231-2232
(295) 2232-2233	(296) 2233-2234	(297) 2234-2235	(298) 2235-2236
(299) 2236-2237	(300) 2237-2238	(301) 2238-2239	(302) 2239-2240
(303) 2240-2241	(304) 2241-2242	(305) 2242-2243	(306) 2243-2244
(307) 2244-2245	(308) 2245-2246	(309) 2246-2247	(310) 2247-2248
(311) 2248-2249	(312) 2249-2250	(313) 2250-2251	(314) 2251-2252
(315) 2252-2253	(316) 2253-2254	(317) 2254-2255	(318) 2255-2256
(319) 2256-2257	(320) 2257-2258	(321) 2258-2259	(322) 2259-2260
(323) 2260-2261	(324) 2261-2262	(325) 2262-2263	(326) 2263-2264
(327) 2264-2265	(328) 2265-2266	(329) 2266-2267	(330) 2267-2268
(331) 2268-2269	(332) 2269-2270	(333) 2270-2271	(334) 2271-2272
(335) 2272-2273	(336) 2273-2274	(337) 2274-2275	(338) 2275-2276
(339) 2276-2277	(340) 2277-2278	(341) 2278-2279	(342) 2279-2280
(343) 2280-2281	(344) 2281-2282	(345) 2282-2283	(346) 2283-2284
(347) 2284-2285	(348) 2285-2286	(349) 2286-2287	(350) 2287-2288
(351) 2288-2289	(352) 2289-2290	(353) 2290-2291	(354) 2291-2292
(355) 2292-2293	(356) 2293-2294	(357) 2294-2295	(358) 2295-2296
(359) 2296-2297	(360) 2297-2298	(361) 2298-2299	(362) 2299-2300
(363) 2300-2301	(364) 2301-2302	(365) 2302-2303	(366) 2303-2304
(367) 2304-2305	(368) 2305-2306	(369) 2306-2307	(370) 2307-2308
(371) 2308-2309	(372) 2309-2310	(373) 2310-2311	(374) 2311-2312
(375) 2312-2313	(376) 2313-2314	(377) 2314-2315	(378) 2315-2316
(379) 2316-2317	(380) 2317-2318	(381) 2318-2319	(382) 2319-2320
(383) 2320-2321	(384) 2321-2322	(385) 2322-2323	(386) 2323-2324
(387) 2324-2325	(388) 2325-2326	(389) 2326-2327	(390) 2327-2328
(391) 2328-2329	(392) 2329-2330	(393) 2330-2331	(394) 2331-2332
(395) 2332-2333	(396) 2333-2334	(397) 2334-2335	(398) 2335-2336
(399) 2336-2337	(400) 2337-2338	(401) 2338-2339	(402) 2339-2340
(403) 2340-2341	(404) 2341-2342	(405) 2342-2343	(406) 2343-2344
(407) 2344-2345	(408) 2345-2346	(409) 2346-2347	(410) 2347-2348
(411) 2348-2349	(412) 2349-2350	(413) 2350-2351	(414) 2351-2352
(415) 2352-2353	(416) 2353-2354	(417) 2354-2355	(418) 2355-2356
(419) 2356-2357	(420) 2357-2358	(421) 2358-2359	(422) 2359-2360
(423) 2360-2361	(424) 2361-2362	(425) 2362-2363	(426) 2363-2364
(427) 2364-2365	(428) 2365-2366	(429) 2366-2367	(430) 2367-2368
(431) 2368-2369	(432) 2369-2370	(433) 2370-2371	(434) 2371-2372
(435) 2372-2373	(436) 2373-2374	(437) 2374-2375	(438) 2375-2376
(439) 2376-2377	(440) 2377-2378	(441) 2378-2379	(442) 2379-2380
(443) 2380-2381	(444) 2381-2382	(445) 2382-2383	(446) 2383-2384
(447) 2384-2385	(448) 2385-2386	(449) 2386-2387	(450) 2387-2388
(451) 2388-2389	(452) 2389-2390	(453) 2390-2391	(454) 2391-2392
(455) 2392-2393	(456) 2393-2394	(457) 2394-2395	(458) 2395-2396
(459) 2396-2397	(460) 2397-2398	(461) 2398-2399	(462) 2399-2400
(463) 2400-2401	(464) 2401-2402	(465) 2402-2403	(466) 2403-2404
(467) 2404-2405	(468) 2405-2406	(469) 2406-2407	(470) 2407-2408
(471) 2408-2409	(472) 2409-2410	(473) 2410-2411	(474) 2411-2412
(475) 2412-2413	(476) 2413-2414	(477) 2414-2415	(478) 2415-2416
(479) 2416-2417	(480) 2417-2418	(481) 2418-2419	(482) 2419-2420
(483) 2420-2421	(484) 2421-2422	(485) 2422-2423	(486) 2423-2424
(487) 2424-2425	(488) 2425-2426	(489) 2426-2427	(490) 2427-2428
(491) 2428-2429	(492) 2429-2430	(493) 2430-2431	(494) 2431-2432
(495) 2432-2433	(496) 2433-2434	(497) 2434-2435	(498) 2435-2436
(499) 2436-2437	(500) 2437-2438	(501) 2438-2439	(502) 2439-2440
(503) 2440-2441	(504) 2441-2442	(505) 2442-2443	(506) 2443-2444
(507) 2444-2445	(508) 2445-2446	(509) 2446-2447	(510) 2447-2448
(511) 2448-2449	(512) 2449-2450	(513) 2450-2451	(514) 2451-2452
(515) 2452-2453	(516) 2453-2454	(517) 2454-2455	(518) 2455-2456
(519) 2456-2457	(520) 2457-2458	(521) 2458-2459	(522) 2459-2460
(523) 2460-2461	(524) 2461-2462	(525) 2462-2463	(526) 2463-2464
(527) 2464-2465	(528) 2465-2466	(529) 2466-2467	(530) 2467-2468
(531) 2468-2469	(532) 2469-2470	(533) 2470-2471	(534) 2471-2472
(535) 2472-2473	(536) 2473-2474	(537) 2474-2475	(538) 2475-2476
(539) 2476-2477	(540) 2477-2478	(541) 2478-2479	(542) 2479-2480
(543) 2480-2481	(544) 2481-2482	(545) 2482-2483	(546) 2483-2484
(547) 2484-2485	(548) 2485-2486	(549) 2486-2487	(550) 2487-2488
(551) 2488-2489	(552) 2489-2490	(553) 2490-2491	(554) 2491-2492
(555) 2492-2493	(556) 2493-2494	(557) 2494-2495	(558) 2495-2496
(559) 2496-2497	(560) 2497-2498	(561) 2498-2499	(562) 2499-2500
(563) 2500-2501	(564) 2501-2502	(565) 2502-2503	(566) 2503-2504
(567) 2504-2505	(568) 2505-2506	(569) 2506-2507	(570) 2507-2508
(571) 2508-2509	(572) 2509-2510	(573) 2510-2511	(574) 2511-2512
(575) 2512-2513	(576) 2513-2514	(577) 2514-2515	(578) 2515-2516
(579) 2516-2517	(580) 2517-2518	(581) 2518-2519	(582) 2519-2520
(583) 2520-2521	(584) 2521-2522	(585) 2522-2523	(586) 2523-2524
(587) 2524-2525	(588) 2525-2526	(589) 2526-2527	(590) 2527-2528
(591) 2528-2529	(592) 2529-2530	(593) 2530-2531	(594) 2531-2532
(595) 2532-2533	(596) 2533-2534	(597) 2534-2535	(598) 2535-2536
(599) 2536-2537	(600) 2537-2538	(601) 2538-2539	(602) 2539-2540
(603) 2540-2541	(604) 2541-2542	(605) 2542-2543	(606) 2543-2544
(607) 2544-2545	(608) 2545-2546	(609) 2546-2547	(610) 2547-2548
(611) 2548-2549	(612) 2549-2550	(613) 2550-2551	(614) 2551-2552
(615) 2552-2553	(616) 2553-2554	(617) 2554-2555	(618) 2555-2556
(619) 2556-2557	(620) 2557-2558	(621) 2558-2559	(622) 2559-2560
(623) 2560-2561	(624) 2561-2562	(625) 2562-2563	(626)



## Suggested Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>			<u>Hours</u>
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Eng.	( 5)	252--Mechanics of Soil and Water Conservation (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy	(11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy	(13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy	(33)	306--Fertilizers and Their Soil Reactions (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3
Agronomy	( 7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy	( 8)	322--Forage Crops and Pastures (I,II)	3
An. Sci.	( 6)	201--Livestock Management (II)	3
or Da. Sci.	(20)	311--Problems in Dairy Farming (I)	3
Forestry	( 2)	102--Farm Forestry (I,II)	3
<u>Other Courses:</u>			
Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology (I,II)	5
Botany	( 3)	130--Plant Physiology (I,II)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Speech	( 1)	101--Principles of Effective Speaking (I,II)	3



### Suggested Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>			<u>Hours</u>
Horticulture	( 2)	162--Small Fruit Culture (II)	3
Horticulture	( 7)	204--Spraying (II)	3
Horticulture	( 8)	263--Orcharding (I)	5
Horticulture	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Horticulture	(46)	333--Marketing Horticultural Products (I)	3
Horticulture	(17)	317--Plant Pathology (I)	3
Horticulture	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

#### Other Courses:

Botany	( 3)	130--Plant Physiology (I,II)	5
Bacteriology	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Entomology	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5
Entomology	(20)	319--Chemical Control of Insects (I)	4

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>			<u>Hours</u>
Hort.	( 3)	242--Commercial Vegetable Production (II)	3
Hort.	(17)	317--Plant Pathology (I)	3
Hort.	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Hort.	(52)	308--Vegetable Diseases (II, alternate years)	3
Hort.	(46)	333--Marketing Horticultural Products (I)	3
Hort.	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Hort.	(new)	343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort.	(new)	345--Growth and Development of Vegetable Crops (I, alternate years)	4
Agronomy	(22)	323--Improvement of Farm Crops by Breeding (I)	3

#### Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Botany	( 3)	130--Plant Physiology (I,II)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5



1. The first group of people who are not in the labor force are those who are not in the labor force because they are not in the labor force.

## Suggested Majors for Students in the General Agriculture Curriculum

Mechanization Major: This major is for students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with service organizations, retail dealers, or contracting or management companies.

<u>Agricultural Courses:</u>			<u>Hours</u>
Agr. Eng. ( 2)	131--Field and Power-Driven Machinery (I)		3
Agr. Eng. ( 3)	142--Gas Engines and Tractors (II)		3
Agr. Eng. ( 4)	272--Farm Buildings (II)		3
Agr. Eng. ( 5)	252--Mechanics of Soil and Water Conservation (II)		3
Agr. Eng. (14)	241--Electric Power for the Farm (I)		3
Agr. Eng. (28)	242--Advanced Gas and Diesel Engines and Tractors (I)		3
Agr. Eng. (51)	393--Special Problems (I,II)		3
Agr. Econ. (20)	120--Farm Management (I,II)		3
Agr. Econ. (24)	224--Farm Operation (II)		3
Agr. Econ. (26)	203--Agriculture Law (I)		3
Agronomy (15)	307--Principles of Soil Conservation (II)		3

### Other Courses:

Accountancy(12)	201--Fundamentals of Accounting (I,II)		3
Marketing (B.O.O. 7)	271--Salesmanship (I,II)		2
Mathematics (3 or 2)	112 or 111--College Algebra or Algebra (I,II)		5 or 3
Mathematics ( 4)	114--Plane Trigonometry (I,II)		2
Rhetoric (10)	151--Business Letter Writing (I,II)		2
Speech ( 1)	101--Principles of Effective Speaking (I,II)		3

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TABLE I		TABLE II	
1	(1) ... ..	(1) ... ..	...
2	(2) ... ..	(2) ... ..	...
3	(3) ... ..	(3) ... ..	...
4	(4) ... ..	(4) ... ..	...
5	(5) ... ..	(5) ... ..	...
6	(6) ... ..	(6) ... ..	...
7	(7) ... ..	(7) ... ..	...
8	(8) ... ..	(8) ... ..	...
9	(9) ... ..	(9) ... ..	...
10	(10) ... ..	(10) ... ..	...
11	(11) ... ..	(11) ... ..	...
12	(12) ... ..	(12) ... ..	...
13	(13) ... ..	(13) ... ..	...
14	(14) ... ..	(14) ... ..	...
15	(15) ... ..	(15) ... ..	...
16	(16) ... ..	(16) ... ..	...
17	(17) ... ..	(17) ... ..	...
18	(18) ... ..	(18) ... ..	...
19	(19) ... ..	(19) ... ..	...
20	(20) ... ..	(20) ... ..	...

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...	(1) ... ..	(1) ... ..	...
...	(2) ... ..	(2) ... ..	...
...	(3) ... ..	(3) ... ..	...
...	(4) ... ..	(4) ... ..	...
...	(5) ... ..	(5) ... ..	...
...	(6) ... ..	(6) ... ..	...
...	(7) ... ..	(7) ... ..	...
...	(8) ... ..	(8) ... ..	...
...	(9) ... ..	(9) ... ..	...
...	(10) ... ..	(10) ... ..	...
...	(11) ... ..	(11) ... ..	...
...	(12) ... ..	(12) ... ..	...
...	(13) ... ..	(13) ... ..	...
...	(14) ... ..	(14) ... ..	...
...	(15) ... ..	(15) ... ..	...
...	(16) ... ..	(16) ... ..	...
...	(17) ... ..	(17) ... ..	...
...	(18) ... ..	(18) ... ..	...
...	(19) ... ..	(19) ... ..	...
...	(20) ... ..	(20) ... ..	...



### Suggested Majors for Students in the General Agriculture Curriculum

Farm Management and Farm Finance Major: This major is for students interested in preparing for work in the farm management and farm credit fields.

<u>Agricultural Courses:</u>		<u>Hours</u>
Agr. Econ. (20)	120--Farm Management (I,II)	3
Agr. Econ. (24)	224--Farm Operation (II)	3
Agr. Econ. (25)	325--Advanced Farm Management (I)	3
Agr. Econ. (26)	203--Agricultural Law (I)	3
Agr. Econ. (15)	302--Financing Agriculture (II)	3
Agr. Econ. ( 8)	342--Agricultural Prices (II)	3
Agronomy (10)	301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy ( 8)	322--Forage Crops and Pastures (I,II)	3
Agr. Eng. ( 4)	272--Farm Buildings (II)	3
Agr. Eng. ( 5)	252--Mechanics and Soil and Water Conservation (II)	3
An. Sci. ( 6)	201--Livestock Management (II)	3
Da. Sci. (D.P. 20)	311--Problems in Dairy Farming (I)	3
Agr. Econ. (42)	312--(same as Agronomy (35) 312) Farm Appraisals (II)	5
Agr. Econ. ( 7)	277--(same as Sociology (7) 277) Rural Sociology (I,II)	3

#### Other Courses:

Rhetoric (10)	151--Business Letter Writing (I,II)	2
Economics ( 3)	250--Money, Credit and Banking (I,II)	3
Accy. (12)	201--Fundamentals of Accounting (I,II)	3



### Suggested Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. (30) 130--Marketing Agricultural Products (I,II)	3
Agr. Econ. ( 6) 341--Agricultural Statistics (I)	3
Agr. Econ. ( 8) 342--Agricultural Prices (II)	3
*Agr. Econ. (31) 331--Grain Grading & Marketing (I)	3
*Agr. Econ. (36) 333--Marketing Horticultural Products (I)	3
*Agr. Econ. (34) 334--Marketing Dairy Products (II)	3
*Agr. Econ. (37) 332--Marketing Livestock (II)	2

### Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech ( 1) 101--Principles of Effective Speaking (I,II)	3
Rhetoric (10) 151--Business Letter Writing (I,II)	2
Marketing (B.O.O. 7) 271--Salesmanship (I,II)	2
Economics (378)--Consumers and the Market (II)	3
Economics (92) 384--Economics of Transportation (I,II)	3
Economics ( 3) 250--Money, Credit and Banking (I,II)	3
Accy. (12) 201--Fundamentals of Accounting (I,II)	3
Bus. Law ( 2) 261--Summary of Business Law (I,II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.





## Suggested Majors for Students in the General Agriculture Curriculum

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships<sup>1</sup>, rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:Hours

*Agr. Econ.	( 7) 277--(same as Sociology 277) Rural Sociology (I,II)	3
Agr. Econ.	(12) 177--Farmers' and Rural Organizations (II)	3
Agr. Econ.	(20) 120--Farm Management (I,II)	3
Agr. Econ.	(30) 130--Marketing of Agricultural Products (I,II)	3
Agr. Econ.	305--Agricultural Development and Policies (I)	3
Agr. Eng.	(24) 361--Farm Home Planning in Relation to Function (II)	2

Other Courses:

*Psychology	( 1) 100--Introduction to Psychology (I,II)	4
*Sociology	( 1) 100--Principles of Sociology (I,II)	3
Sociology	(14) 344--Public Opinion (I,II)	3
Speech	( 1) 101--Principles of Effective Speaking (I,II)	3
Soc. Wel. Adm.	(20) 220--Introduction to Social Work (I,II)	3
Soc. Wel. Adm.	(22) 222--Introduction to Social Group Work (I,II)	2
Economics	(52) 216--State and Local Taxation in Illinois (II)	3
*Pol. Science	(1a) 150--American Government (I,II)	3
P. E. M.	(14) 211--Social Recreation Activities (I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked \*; at least two courses from English (12) 113, (13) 114, (20b) 121, and (20a) 122; at least one course from History (1a) 111, (1b) 112, (16a) 353 and (16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

# UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF PLANT INDUSTRY  
WASHINGTON, D. C.

PLANT INDUSTRY		PLANT INDUSTRY	
1. Cotton	100	1. Cotton	100
2. Tobacco	100	2. Tobacco	100
3. Sugar	100	3. Sugar	100
4. Rubber	100	4. Rubber	100
5. Hemp	100	5. Hemp	100
6. Flax	100	6. Flax	100
7. Jute	100	7. Jute	100
8. Sisal	100	8. Sisal	100
9. Agave	100	9. Agave	100
10. Other	100	10. Other	100

PLANT INDUSTRY		PLANT INDUSTRY	
1. Cotton	100	1. Cotton	100
2. Tobacco	100	2. Tobacco	100
3. Sugar	100	3. Sugar	100
4. Rubber	100	4. Rubber	100
5. Hemp	100	5. Hemp	100
6. Flax	100	6. Flax	100
7. Jute	100	7. Jute	100
8. Sisal	100	8. Sisal	100
9. Agave	100	9. Agave	100
10. Other	100	10. Other	100

BUREAU OF PLANT INDUSTRY  
WASHINGTON, D. C.



General Agriculture Curriculum  
(for the degree, Bachelor of Science in Agriculture, with major for  
teachers of vocational agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 105(5)-Botany for Students in Agriculture	3	Chem. 101(1) or 102(2)-General Chemistry	5 or 3
Hygiene 102(2) or 105(5)	2	Rhet. 102(2)-Rhetoric and Comp.	3
Rhet. 101(1)-Rhetoric and Comp.	3	Zool. 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	16	Total	15 to 18

Second Year

Agr. Eng. 111(7)-Farm Structures and Soil and Water Conservation, or 112(6)-Tractors and Field Machinery	3	Agr. Eng. 112(6)-Tractors and Field Machinery, or 111(7)-Farm Structures and Soil and Water Conservation	3
Geol. 105(44)-Agricultural Geol.	3	Agron. 201(2)-Soils	5
Chem. 132(32)-Elem. Org. Chem.	3	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3
Total	17	Total	16

Third Year

Educ. 100(1)-The Am. Public School	2	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-History of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Education 109(25)-Educational Psychology	3
One course from Group 1	3	Agricultural Electives	6 to 9
Agricultural Electives	3 to 6	Total	15 to 18
Total	15 to 18		

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-weeks period.

Agr. Educ. 276(50)-Practice in Agr. Education	5	Pol. Sci. 150(1a)-American Govt.	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities) <sup>2/</sup>	11-17
Educ. 240(6b)-Prin. of Secondary Education	3		
Agr. Eng. 201(21), or Da. Prod. 204(33) <sup>1/</sup> or other Agr. Elective	2 to 3	Total	14 to 20
Total	15 to 16		

Total hours credit required for the B. S. degree

130

<sup>1/</sup> Da. Prod. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.

• • • • •

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100(1)--Introductory Agr. Economics	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(D.P.24a)--Introduction to Dairy Production	3
Horticulture 161(1a)--Introductory Pomology and Ornamental Gardening, I	3
Forestry 101(1)--General Forestry, or Forestry 102(2)--Farm Forestry, or Hort. 142(1b)--Introduction to Vegetable Crops, II	3 or 2
Total	22 or 21

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 409(125)-Advanced Educ. Psychology	1	Educ. 400(101)-Philos. of Educ. or Educ. 302(30)-Hist. of Am. Education	1
Electives	1	Electives	$\frac{1}{4}$
Total	$\frac{4}{4}$	Total	$\frac{4}{4}$



100

101

102

103

Name	Age	Address
John Doe	25	123 Main St
Jane Smith	30	456 Elm St
Bob Johnson	40	789 Oak St
Alice Brown	35	101 Pine St
Charlie White	28	202 Cedar St

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE--For the Degree, Bachelor of Science in Agriculture,  
with major for teachers of vocational agriculture

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			Earned:
	credit	grade		credit	grade	
Agr. Econ. (1) 100	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Agr. Econ. (20) 120	3					
Agr. Eng. (6) 112	3					
Agr. Eng. (7) 111	3					
Agron. (1) 121	4					
Agron. (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					
Da. Sci. (D. P. 24a) 100	3					
Hort. (1a) 161	3					
Forestry (1) 101 or (2) 102, or Hort. (1b) 142	3-2					
Total	35-36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany (5) 105	3		History (3b) 152	3		
Chemistry (1) 101 or (2) 102	5-3		Pol. Sci. (1a) 150	3		
Chemistry (32) 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics (2) 108	3		Psychol. (1) 100	4		
Geology (44) 105	3		Humanities electives (Art, music, lang., lit., psych., phil.)			
Rhetoric (1) 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric (2) 102	3		Education (1) 100	2		
Speech (1) 101	3		Education (25) 109	3		
Zoology (15) 104	4		Education (6b) 240	3		
Hygiene	2		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1		OPEN ELECTIVES:			D GRADES:
Military	1					
Military	1					
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.

(Continued on page 2) - The following information is being furnished to you for your information only. It is not to be used for any other purpose.

Name		Address		City		State		Zip	
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50



Agriculture and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for 3 or 4 years; then transfer to the College of Engineering for 1 or 2 years.
2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.
3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.
4. By the beginning of the third year, choose between the Machinery and Power option and the Construction and Drainage option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 7)

16 hours general University requirements Rhet., Hyg., Mil., and P.E.  
 35 hours agriculture courses (including 18 hours Agr. Eng.)  
 6 hours humanities  
 6 hours social science (including Econ. 108)  
 12 hours biological science (including Bot. 105)  
 35 hours physical science (Chem., Math., Physics, Geol.)  
20 hours elective (G.E.D., T.A.M.)  
 130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows: (1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Construction and Drainage: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.



# Agriculture and Agricultural Engineering Curricula--Continued

## (b) General Agriculture Curriculum: (See Page 10)

- 29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
- 21 hours agriculture electives (including Agr. Eng.)
- 35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
- 12 hours humanities and social studies
- 33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
- 130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Construction and Drainage: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.



Department of Agriculture, Bureau of Plant Industry

Washington, D. C.

Dear Sir:

Very truly yours,

W. L. Rouse

Director

Enclosed for you are two copies of the report of the

Commissioner of the General Land Office

concerning the proposed sale of the public lands in the State of California. The report contains a detailed description of the lands and the proposed terms of sale. It also contains a list of the names of the persons who have applied for the lands and the amount of the bids. The report is being submitted to you for your review and approval. If you are satisfied with the report, please sign and return it to the Commissioner of the General Land Office. If you have any objections, please state them in writing and return them to the Commissioner.

### Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 7). Students following this program should ask to be assigned an advisor for the six-year program in Agriculture and Law.

#### SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

#### A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	16

#### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 120, 130, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Forestry 102	3	36

#### C. Suggested courses to meet requirement of 56 hours from groups II thru V (Minimum of 40 hours in groups III and V and a minimum of 8 hours in each of the other groups)

Group II Courses		
Philosophy 104	4	
English 122	4	8

THE HISTORY OF THE UNITED STATES

A new and complete history of the United States, from the first discovery of the continent to the present time. This work is the result of many years of labor, and is the most accurate and complete history of the United States ever published. It contains a full and detailed account of the political, military, and civil history of the United States, from the first discovery of the continent to the present time. It is a work of great value to every student of American history.

The following is a list of the principal events in the history of the United States, from the first discovery of the continent to the present time. This list is intended to give a general idea of the course of American history, and is not intended to be a complete history of the United States.

THE HISTORY OF THE UNITED STATES

THE HISTORY OF THE UNITED STATES

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THE HISTORY OF THE UNITED STATES



## SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108	3	
History 345	3	
Political Science 150	3	
Psychology 100	4	
Sociology 100	3	
		16
Law courses (to be taken in fourth year)	13	

## Group IV Courses

Zoology 104	4	
Botany 100 and 101	5	
		9

## Group V Courses

Chemistry 101 and 132	8	
Geology 105	3	
		11

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	<u>6</u>

Total hours in three years. . . . .	102
Law courses to complete Group III . . . . .	13
Additional Law courses . . . . .	<u>15</u>
Total Required for degree in Agriculture . . . . .	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 28 hours in law school during the fourth year would complete the group III and V minimum requirement and qualify the student for graduation from the College of Agriculture.

... ..

1. The first group of people who are interested in the study of the history of the world are the historians. They are people who study the past and try to understand what happened and why it happened. They use a variety of sources, including books, documents, and artifacts, to reconstruct the past. They also try to understand the people who lived in the past and how they thought and felt. Historians are interested in the history of the world because it helps them to understand the present and the future.

**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Comp.	3	Rhet. 102(2)-Rhetoric and Comp.	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Math. 114(4)-Plane Trigonometry	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2	Da. Sci. 100(D.P. 24a)-Introduction to Dairy Production	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17-13	Total	15

Second Year

Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Da. Sci. 150(11)-General Dairy Bacteriology	2
Da. Tech. 101(1)-Introduction to Dairy Technology	3	Da. Sci. 151(12)-General Dairy Bacteriology	3
Da. Tech. 103(3)-Dairy Products Judging	1	Da. Tech. 104(4)-Dairy Products Judging	1
Econ. 108(2)-Elements of Economics	3	Chem. 122(22)-Elementary Quantitative Analysis	5
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	3	Electives	3
Total	17	Total	16

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Creamery Butter Manufacture	3
Chem. 133(33)-Elementary Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Electives	5	Accy. 201(12)-Fundamentals of Accounting	3
Total	18	Electives	3
		Total	17

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total Required for Graduation ..... 130



# THE UNIVERSITY OF CHICAGO DEPARTMENT OF CHEMISTRY

REPORT OF THE CHAIRMAN OF THE COMMITTEE ON THE REVISION OF THE CURRICULUM OF THE DEPARTMENT OF CHEMISTRY

## 1910-1911

Year	Department of Chemistry	Department of Physics
1910	1. General Chemistry (1st year) 1 credit	1. General Chemistry (1st year) 1 credit
1911	2. General Chemistry (2nd year) 1 credit	2. General Chemistry (2nd year) 1 credit
1912	3. Organic Chemistry (1st year) 1 credit	3. Organic Chemistry (1st year) 1 credit
1913	4. Organic Chemistry (2nd year) 1 credit	4. Organic Chemistry (2nd year) 1 credit
1914	5. Inorganic Chemistry (1st year) 1 credit	5. Inorganic Chemistry (1st year) 1 credit
1915	6. Inorganic Chemistry (2nd year) 1 credit	6. Inorganic Chemistry (2nd year) 1 credit
1916	7. Physical Chemistry (1st year) 1 credit	7. Physical Chemistry (1st year) 1 credit
1917	8. Physical Chemistry (2nd year) 1 credit	8. Physical Chemistry (2nd year) 1 credit
1918	9. Analytical Chemistry (1st year) 1 credit	9. Analytical Chemistry (1st year) 1 credit
1919	10. Analytical Chemistry (2nd year) 1 credit	10. Analytical Chemistry (2nd year) 1 credit

## 1920-1921

1920	11. General Chemistry (1st year) 1 credit	11. General Chemistry (1st year) 1 credit
1921	12. General Chemistry (2nd year) 1 credit	12. General Chemistry (2nd year) 1 credit
1922	13. Organic Chemistry (1st year) 1 credit	13. Organic Chemistry (1st year) 1 credit
1923	14. Organic Chemistry (2nd year) 1 credit	14. Organic Chemistry (2nd year) 1 credit
1924	15. Inorganic Chemistry (1st year) 1 credit	15. Inorganic Chemistry (1st year) 1 credit
1925	16. Inorganic Chemistry (2nd year) 1 credit	16. Inorganic Chemistry (2nd year) 1 credit
1926	17. Physical Chemistry (1st year) 1 credit	17. Physical Chemistry (1st year) 1 credit
1927	18. Physical Chemistry (2nd year) 1 credit	18. Physical Chemistry (2nd year) 1 credit
1928	19. Analytical Chemistry (1st year) 1 credit	19. Analytical Chemistry (1st year) 1 credit
1929	20. Analytical Chemistry (2nd year) 1 credit	20. Analytical Chemistry (2nd year) 1 credit

## 1930-1931

1930	21. General Chemistry (1st year) 1 credit	21. General Chemistry (1st year) 1 credit
1931	22. General Chemistry (2nd year) 1 credit	22. General Chemistry (2nd year) 1 credit
1932	23. Organic Chemistry (1st year) 1 credit	23. Organic Chemistry (1st year) 1 credit
1933	24. Organic Chemistry (2nd year) 1 credit	24. Organic Chemistry (2nd year) 1 credit
1934	25. Inorganic Chemistry (1st year) 1 credit	25. Inorganic Chemistry (1st year) 1 credit
1935	26. Inorganic Chemistry (2nd year) 1 credit	26. Inorganic Chemistry (2nd year) 1 credit
1936	27. Physical Chemistry (1st year) 1 credit	27. Physical Chemistry (1st year) 1 credit
1937	28. Physical Chemistry (2nd year) 1 credit	28. Physical Chemistry (2nd year) 1 credit
1938	29. Analytical Chemistry (1st year) 1 credit	29. Analytical Chemistry (1st year) 1 credit
1939	30. Analytical Chemistry (2nd year) 1 credit	30. Analytical Chemistry (2nd year) 1 credit

## 1940-1941

1940	31. General Chemistry (1st year) 1 credit	31. General Chemistry (1st year) 1 credit
1941	32. General Chemistry (2nd year) 1 credit	32. General Chemistry (2nd year) 1 credit
1942	33. Organic Chemistry (1st year) 1 credit	33. Organic Chemistry (1st year) 1 credit
1943	34. Organic Chemistry (2nd year) 1 credit	34. Organic Chemistry (2nd year) 1 credit

### Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

#### Suggested Group I electives:

	<u>Hours</u>
Agr. Econ. 334(34)--Marketing Dairy Products (II)	3
Da. Sci. 350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380( 5)--Composition of Dairy Products (I)	3
Vet. Path. and Hygiene 105(5)--Animal Hygiene (I)	3
Da. Tech. 308(16)--Plant Management (II)	3
Da. Tech. 201(15)--Special Problems in Dairy Technology (I,II)	5
Home Econ. 120(38)--Elementary Nutrition (I,II)	2

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

#### Suggested Group II electives:

Speech 101( 1)--Principles of Effective Speaking (I,II)	3
Economics 250( 3)--Money, Credit, and Banking (I,II)	3
Economics 240(41)--Labor Problems (I,II)	3
Economics 248(43)--Personnel Administration (I,II)	3
Pol. Sci. 150(1a)--American Government: Organization and Powers (I,II)	3
Pol. Sci. 151(1b)--American Government: Functions (I,II)	3
Soc. 100( 1)--Principles of Sociology (I,II)	3
Psych. 100( 1)--Introduction to Psychology (I,II)	4
French 101 and 102(1a and 1b)--Elementary Course (I,II)	8
German 101 and 102(1a and 1b)--Elementary Course (I,II)	8

#### Suggested Open electives:

Rhet. 151(10)--Business Letter Writing (I,II)	2
Bus. Law 261( 2)--Summary of Business Law (I,II)	3
Marketing 101(B.O.O. 2)--Principles of Marketing (I,II)	3
Marketing 211(B.O.O. 3)--Principles of Retailing (I,II)	3
Marketing 271(B.O.O. 7)--Salesmanship (I,II)	2

THEORY OF THE EARTH'S CRUST

The theory of the earth's crust is a branch of geology which deals with the structure and composition of the upper part of the earth's crust. It is a branch of geology which deals with the structure and composition of the upper part of the earth's crust.

1880

THEORY OF THE EARTH'S CRUST

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UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

29.

Name _____	Curriculum in DAIRY TECHNOLOGY			Date _____						
<b>Prescribed Courses</b>	<b>Hours</b>	<b>Grade</b>	<b>Group 1--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.</b>							
Accy. (12) 201	3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
Bact. (5a-5b) 104-105	3-2		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
Chem. (1 or 2) 101 or 102	5-3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
Chem. (5) 105	5									
Chem. (22) 122	5									
Chem. (33) 133	5									
Da. Sci. (11) 150	2									
Da. Sci. (12) 151	2									
Da. Sci. (24a) 100	3									
Da. Tech. (1) 101	3									
Da. Tech. (3) 103	1									
Da. Tech. (4) 104	1									
Da. Tech. (10) 301	3		<b>Group 2--Minimum of 12 hours selected from Art, Econ., Engl., For. Lang., Geog., Hist., Journ., L. Arch., Law, Music, Philos., Pol. Sci., Psych., Sociol., Speech</b>							
Da. Tech. (11) 303	3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
Da. Tech. (12) 302	3									
Da. Tech. (13) 304	3									
Da. Tech. (14) 306	3									
Econ. (2) 108	3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
Math. (2 or 3) 112 or 111	3-5									
Math. (4) 114	2									
Hygiene	2									
Military	1									
Military	1									
Military	1									
Military	1									
P. E.	1									
P. E.	1									
P. E.	1									
P. E.	1									
Physics (4a) 101	5									
Physics (4b) 102	5									
Rhetoric (1) 101	3									
Rhetoric (2) 102	3									
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
			<b>Open Electives</b>							
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><b>Hours</b></td> <td style="width: 25%; text-align: center;"><b>Grade</b></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			<b>Hours</b>	<b>Grade</b>			
	<b>Hours</b>	<b>Grade</b>								
			<b>TOTAL HOURS EARNED:</b> <div style="border-bottom: 1px solid black; width: 100%; height: 1em;"></div>							
			<b>D grades:</b> <div style="border-bottom: 1px solid black; width: 100%; height: 1em;"></div>							

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

2/6/48

ACA365





**Floriculture Curriculum**  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. A minimum of 4 hours is required in addition to prescribed courses in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 105(5)-Botany for Students in Agriculture	3	Physical Education	1
Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
Total	16 or 18	Total	16 to 18

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18





Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding	
Electives	12 to 15	Plants	3
		Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of	
		Landscape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

NOTE: The following courses are suggested as electives which may be taken during the third or fourth year:

	Hours
Agron. 323(22)-Improvement of Farm Crops by Breeding	3
Bot. 322(46)-Heredity and Evolution	4
Bus. Law 261(2)-Elementary Law of Business	3
Entom. 319(20)-Insect Control	4
Hort. 204(7)-Spraying	3
Hort. 345-Growth and Development of Vegetable Crops	4
Hort. 382(12)-Improvement of Horticultural Crops by Breeding	3
Marketing 101(B.O.O. 2)-Principles of Marketing	3
Marketing 271(B.O.O. 7)-Salesmanship	2
Marketing 381(B.O.O. 8)-Introduction to Advertising	3
Rhet. 151(10)-Business Letter Writing	2

TABLE

Year	Amount	Percentage	Year	Amount	Percentage
1911	100.00	100.00	1912	100.00	100.00
1913	100.00	100.00	1914	100.00	100.00
1915	100.00	100.00	1916	100.00	100.00
1917	100.00	100.00	1918	100.00	100.00
1919	100.00	100.00	1920	100.00	100.00
1921	100.00	100.00	1922	100.00	100.00
1923	100.00	100.00	1924	100.00	100.00
1925	100.00	100.00	1926	100.00	100.00
1927	100.00	100.00	1928	100.00	100.00
1929	100.00	100.00	1930	100.00	100.00
1931	100.00	100.00	1932	100.00	100.00
1933	100.00	100.00	1934	100.00	100.00
1935	100.00	100.00	1936	100.00	100.00
1937	100.00	100.00	1938	100.00	100.00
1939	100.00	100.00	1940	100.00	100.00
1941	100.00	100.00	1942	100.00	100.00
1943	100.00	100.00	1944	100.00	100.00
1945	100.00	100.00	1946	100.00	100.00
1947	100.00	100.00	1948	100.00	100.00
1949	100.00	100.00	1950	100.00	100.00
1951	100.00	100.00	1952	100.00	100.00
1953	100.00	100.00	1954	100.00	100.00
1955	100.00	100.00	1956	100.00	100.00
1957	100.00	100.00	1958	100.00	100.00
1959	100.00	100.00	1960	100.00	100.00
1961	100.00	100.00	1962	100.00	100.00
1963	100.00	100.00	1964	100.00	100.00
1965	100.00	100.00	1966	100.00	100.00
1967	100.00	100.00	1968	100.00	100.00
1969	100.00	100.00	1970	100.00	100.00
1971	100.00	100.00	1972	100.00	100.00
1973	100.00	100.00	1974	100.00	100.00
1975	100.00	100.00	1976	100.00	100.00
1977	100.00	100.00	1978	100.00	100.00
1979	100.00	100.00	1980	100.00	100.00
1981	100.00	100.00	1982	100.00	100.00
1983	100.00	100.00	1984	100.00	100.00
1985	100.00	100.00	1986	100.00	100.00
1987	100.00	100.00	1988	100.00	100.00
1989	100.00	100.00	1990	100.00	100.00
1991	100.00	100.00	1992	100.00	100.00
1993	100.00	100.00	1994	100.00	100.00
1995	100.00	100.00	1996	100.00	100.00
1997	100.00	100.00	1998	100.00	100.00
1999	100.00	100.00	2000	100.00	100.00
2001	100.00	100.00	2002	100.00	100.00
2003	100.00	100.00	2004	100.00	100.00
2005	100.00	100.00	2006	100.00	100.00
2007	100.00	100.00	2008	100.00	100.00
2009	100.00	100.00	2010	100.00	100.00
2011	100.00	100.00	2012	100.00	100.00
2013	100.00	100.00	2014	100.00	100.00
2015	100.00	100.00	2016	100.00	100.00
2017	100.00	100.00	2018	100.00	100.00
2019	100.00	100.00	2020	100.00	100.00
2021	100.00	100.00	2022	100.00	100.00
2023	100.00	100.00	2024	100.00	100.00
2025	100.00	100.00	2026	100.00	100.00
2027	100.00	100.00	2028	100.00	100.00
2029	100.00	100.00	2030	100.00	100.00
2031	100.00	100.00	2032	100.00	100.00
2033	100.00	100.00	2034	100.00	100.00
2035	100.00	100.00	2036	100.00	100.00
2037	100.00	100.00	2038	100.00	100.00
2039	100.00	100.00	2040	100.00	100.00
2041	100.00	100.00	2042	100.00	100.00
2043	100.00	100.00	2044	100.00	100.00
2045	100.00	100.00	2046	100.00	100.00
2047	100.00	100.00	2048	100.00	100.00
2049	100.00	100.00	2050	100.00	100.00
2051	100.00	100.00	2052	100.00	100.00
2053	100.00	100.00	2054	100.00	100.00
2055	100.00	100.00	2056	100.00	100.00
2057	100.00	100.00	2058	100.00	100.00
2059	100.00	100.00	2060	100.00	100.00
2061	100.00	100.00	2062	100.00	100.00
2063	100.00	100.00	2064	100.00	100.00
2065	100.00	100.00	2066	100.00	100.00
2067	100.00	100.00	2068	100.00	100.00
2069	100.00	100.00	2070	100.00	100.00
2071	100.00	100.00	2072	100.00	100.00
2073	100.00	100.00	2074	100.00	100.00
2075	100.00	100.00	2076	100.00	100.00
2077	100.00	100.00	2078	100.00	100.00
2079	100.00	100.00	2080	100.00	100.00
2081	100.00	100.00	2082	100.00	100.00
2083	100.00	100.00	2084	100.00	100.00
2085	100.00	100.00	2086	100.00	100.00
2087	100.00	100.00	2088	100.00	100.00
2089	100.00	100.00	2090	100.00	100.00
2091	100.00	100.00	2092	100.00	100.00
2093	100.00	100.00	2094	100.00	100.00
2095	100.00	100.00	2096	100.00	100.00
2097	100.00	100.00	2098	100.00	100.00
2099	100.00	100.00	2100	100.00	100.00

NOTE: The figures shown are subject to revision until they are final.

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UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

32.

Name	Curriculum in FLORICULTURE				Date
Prescribed Courses	CREDIT	GRADE	CREDIT	GRADE	SUMMARY
Accy.(1a) 101	3		Group 2 Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol.Sci., Psych., Rhet., Sociol., Speech		Group 2
Accy.(1b) 105	3				Earned _____
Agron.(2) 201	5				To be earned _____
Bot.(3) 130	5				
Bot.(5) 105	3				
Bot.(6) 160	3				
Bot.(7) 317	3				
Chem. (1 or 2) 101 or 102	5-3		Open Electives		TOTAL HOURS*
Chem. (32) 132	3				Earned _____
Econ.(2) 108	3				
Entom. (1a and 1b) 101 and 102	3-2				
Geol. (44) 105-	3				
Hort.(5) 121	3				
Hort.(15a) 122	3				
Hort.(15b) 223	3				
Hort.(15c) 224	3				
Hort.(30) 226	3				
Hort.(31) 230	3				
Hort.(32a) 231	3				
Hort.(32b) 232	3				
Hort.(43) 321	3				
Hort.(45) 322	3				
L. Arch.(51) 251	3				
L. Arch.(52) 252	3				
L. Arch.(64) 164	3				
Rhet.(1) 101	3				
Rhet.(2) 102	3				
Hyg.	2				
Mil.					
Mil.					
Mil.					
Mil.					
P. Ed.					D grades*
P. Ed.					Earned _____

\* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.



Food Technology Curriculum  
(for the degree, Bachelor of Science in Food Technology)

33.

This tentative curriculum is for students who wish to prepare for employment in the food industries. By appropriate choice of electives and, where possible, by summer employment in selected industries, the individual may fit himself for entrance to and advancement in one of numerous technical or business phases of the food industries.

A major curriculum revision including addition of several specialized courses in food technology is under consideration and is expected to be accomplished before registration for the spring term. Revised sheets will be made available at that time. For details of these contemplated changes the student is referred to the Head of the Department of Food Technology.

First Year

First Semester	Hours	Second Semester	Hours
Math. 111(3)-Algebra <sup>1/</sup>	5	Math. 114(4)-Plane Trigonometry <sup>1/</sup>	2
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Botany 105(5)-Botany for Students in Agriculture	3	Zool. 104(15)-Zoology	4
Physical Education	1	Hygiene 102(2) or 105(5)-Personal and Environmental Hygiene	2
Military Science (for men)	1	Physical Education	1
		Military Science (for men)	1
Total	16 or 18	Total	18

Second Year

Chem. 122(22)-Elementary Quantitative Analysis	5	Chem. 133(33)-Elementary Organic Chemistry	5
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5	Econ. 108(2)-Elements of Economics	3
Physical Education	1	Physical Education	
Military Science (for men)	1	Military Science (for men)	1
	1	Electives	3
Total	17	Total	18

Third Year

Chem. 350(50)-Biochemistry	5	Chem. 329(29b)-Food Analysis	5
Agr. Econ. 130(30)-Marketing of Agr. Products	3	Bact. 308(8)-Food and Applied Bacteriology	5
Accy. 201(12)-Fundamentals of Accounting	3	Home Econ. 324(41)-Problems in Nutrition	3
Electives	5	Electives	3
Total	16	Total	16

Fourth Year

Electives	16	Electives	16
Total	16	Total	16

Total required for graduation..... 130

<sup>1/</sup> The student planning to take advanced work in chemistry may substitute Mathematics 117(10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.





The minimum number of elective hours must be selected from the following three groups as indicated:

Group I. A minimum of 25 hours to be selected from the following courses, and such additional courses as may be provided in this group.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Econ. 331(31) (Same as Agron. 331(14))--Grain Grading and Marketing (I)	3
Agr. Econ. 334(34) (Same as Da. Sci. 334)--Marketing Dairy Products (II)	3
Agr. Econ. 333(36) (Same as Hort. 333(46))--Marketing Horticultural Products (I)	3
Agr. Econ. 332(37)--Marketing Livestock (II)	2
An. Sci. 104(36)--Selection and Use of Meat (I)	2
An. Sci. 204(10)--Farm Meats (II)	3
An. Sci. 205(24)--Meat Judging and Grading (I)	2
Bact. 309(9)--Bacterial Nutrition and Vitamin Assays (I)	3
Da. Sci. 180(1)--Chemical Control Methods for Dairy Plants (II)	3
Da. Sci. 380(5)--Composition of Dairy Products (I)	3
Da. Sci. 350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci. 150(11)--General Dairy Bacteriology (II)	2
Da. Sci. 151(12)--General Dairy Bacteriology (II)	3
Da. Tech--Any prescribed Dairy Technology courses listed in the Dairy Technology Curriculum	
Home Econ. 330(63)--Experimental Foods (I,II)	3

Group II. A minimum of 8 hours to be selected from courses in economics, English, foreign language, geography, history, philosophy, political science, psychology, sociology, or speech.

Group III. A minimum of 5 hours to be selected from courses not otherwise required or listed in Group I among the following: bacteriology, botany, business organization and operation, chemistry, engineering, mathematics, or physics.





Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PRESCRIBED COURSES:		credit	grade	GROUP I: A minimum of 25 hours selected from the following Agricultural courses:	
Accountancy (12) 201	3				
Agr. Econ. (30) 130	3				
Bact. (5a & 5b) 104 & 105	3 & 2			Agr. Econ. (31) 331	3
Bact. (8) 308	5			Agr. Econ. (34) 334	3
Botany (5) 105	3			Agr. Econ. (36) 333	3
				Agr. Econ. (37) 332	2
Chem. (1 or 2) 101 or 102	5 or 3			An. Sci. (36) 104	2
Chem. (5) 105	5			An. Sci. (10) 204	3
Chem. (22) 122	5			An. Sci. (24) 205	2
Chem. (33) 133	5			Bact. (9) 309	3
Chem. (50) 350	5			Da. Sci. (1) 180	3
Chem. (29b) 329	5			Da. Sci. (5) 380	3
				Da. Sci. (10) 350	4
Economics (2) 108	3			Da. Sci. (11) 150	2
				Da. Sci. (12) 151	3
Mathematics (3or2)111 or 112 <sup>1/5</sup>	5 or 3			Home Economics (63) 330	3
Mathematics (4) 114 <sup>1/7</sup>	2				
Home Economics (41) 324	3			Da. Tech. (courses required in Da. Tech. curriculum)	
Hygiene	2				
Military	1			GROUP II: Minimum 8 hours selected from	
Military	1			courses in econ., English, foreign lang.,	
Military	1			geog., hist., philos., pol. sci., psych.,	
Military	1			sociol., speech.	
P. E.	1				
P. E.	1				
P. E.	1				
P. E.	1				
Physics (4a) 101	5			GROUP III: Minimum 5 hours selected from	
Physics (4b) 102	5			courses not otherwise required or listed	
				in Group I among the following: bact.,	
Rhetoric (1) 101	3			bot., B.O.&O., chem., engin., math.,	
Rhetoric (2) 102	3			physics.	
Zoology (15) 104	4				
OPEN ELECTIVES:					
				Total Hours	

1/The student planning to take advanced work in chemistry may substitute Mathematics 117 (10a)-127(10b) for the Mathematics 111(3) and 114(4) requirements.

130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

Name of the person		Address		Occupation		Remarks	
Mr. J. H. Smith		123 Main St., New York		Teacher		Born 1880, died 1950	
Mrs. A. B. Jones		456 Elm St., New York		Homemaker		Born 1885, died 1945	
Mr. C. D. Brown		789 Oak St., New York		Engineer		Born 1890, died 1960	
Mrs. E. F. Green		101 Pine St., New York		Nurse		Born 1895, died 1955	
Mr. G. H. White		234 Cedar St., New York		Lawyer		Born 1900, died 1970	
Mrs. I. J. Black		567 Birch St., New York		Teacher		Born 1905, died 1965	
Mr. K. L. Gray		890 Spruce St., New York		Engineer		Born 1910, died 1980	
Mrs. M. N. Hall		1123 Ash St., New York		Homemaker		Born 1915, died 1975	
Mr. O. P. King		1456 Elm St., New York		Lawyer		Born 1920, died 1990	
Mrs. Q. R. Lee		1789 Oak St., New York		Nurse		Born 1925, died 1985	
Mr. S. T. Miller		2101 Pine St., New York		Engineer		Born 1930, died 1995	
Mrs. U. V. Wilson		2434 Cedar St., New York		Teacher		Born 1935, died 2000	
Mr. W. X. Young		2767 Birch St., New York		Lawyer		Born 1940, died 2005	
Mrs. Y. Z. Adams		3090 Spruce St., New York		Homemaker		Born 1945, died 2010	
Mr. A. B. Baker		3423 Ash St., New York		Engineer		Born 1950, died 2015	
Mrs. C. D. Carter		3756 Elm St., New York		Teacher		Born 1955, died 2020	
Mr. E. F. Evans		4089 Oak St., New York		Lawyer		Born 1960, died 2025	
Mrs. G. H. Fisher		4422 Pine St., New York		Nurse		Born 1965, died 2030	
Mr. I. J. Gibson		4755 Cedar St., New York		Engineer		Born 1970, died 2035	
Mrs. K. L. Hall		5088 Birch St., New York		Teacher		Born 1975, died 2040	
Mr. M. N. Hill		5421 Spruce St., New York		Lawyer		Born 1980, died 2045	
Mrs. O. P. King		5754 Elm St., New York		Homemaker		Born 1985, died 2050	
Mr. Q. R. Lee		6087 Oak St., New York		Engineer		Born 1990, died 2055	
Mrs. S. T. Miller		6420 Pine St., New York		Teacher		Born 1995, died 2060	
Mr. U. V. Wilson		6753 Cedar St., New York		Lawyer		Born 2000, died 2065	
Mrs. W. X. Young		7086 Birch St., New York		Nurse		Born 2005, died 2070	
Mr. Y. Z. Adams		7419 Spruce St., New York		Engineer		Born 2010, died 2075	
Mrs. A. B. Baker		7752 Ash St., New York		Teacher		Born 2015, died 2080	
Mr. C. D. Carter		8085 Elm St., New York		Lawyer		Born 2020, died 2085	
Mrs. E. F. Evans		8418 Oak St., New York		Homemaker		Born 2025, died 2090	
Mr. G. H. Fisher		8751 Pine St., New York		Engineer		Born 2030, died 2095	
Mrs. I. J. Gibson		9084 Cedar St., New York		Teacher		Born 2035, died 2100	
Mr. K. L. Hall		9417 Birch St., New York		Lawyer		Born 2040, died 2105	
Mrs. M. N. Hill		9750 Spruce St., New York		Nurse		Born 2045, died 2110	
Mr. O. P. King		10083 Ash St., New York		Engineer		Born 2050, died 2115	
Mrs. Q. R. Lee		10416 Elm St., New York		Teacher		Born 2055, died 2120	
Mr. S. T. Miller		10749 Oak St., New York		Lawyer		Born 2060, died 2125	
Mrs. U. V. Wilson		11082 Pine St., New York		Homemaker		Born 2065, died 2130	
Mr. W. X. Young		11415 Cedar St., New York		Engineer		Born 2070, died 2135	
Mrs. Y. Z. Adams		11748 Birch St., New York		Teacher		Born 2075, died 2140	
Mr. A. B. Baker		12081 Spruce St., New York		Lawyer		Born 2080, died 2145	
Mrs. C. D. Carter		12414 Ash St., New York		Nurse		Born 2085, died 2150	
Mr. E. F. Evans		12747 Elm St., New York		Engineer		Born 2090, died 2155	
Mrs. G. H. Fisher		13080 Oak St., New York		Teacher		Born 2095, died 2160	
Mr. I. J. Gibson		13413 Pine St., New York		Lawyer		Born 2100, died 2165	
Mrs. K. L. Hall		13746 Cedar St., New York		Homemaker		Born 2105, died 2170	
Mr. M. N. Hill		14079 Birch St., New York		Engineer		Born 2110, died 2175	
Mrs. O. P. King		14412 Spruce St., New York		Teacher		Born 2115, died 2180	
Mr. Q. R. Lee		14745 Ash St., New York		Lawyer		Born 2120, died 2185	
Mrs. S. T. Miller		15078 Elm St., New York		Nurse		Born 2125, died 2190	
Mr. U. V. Wilson		15411 Oak St., New York		Engineer		Born 2130, died 2195	
Mrs. W. X. Young		15744 Pine St., New York		Teacher		Born 2135, died 2200	
Mr. Y. Z. Adams		16077 Cedar St., New York		Lawyer		Born 2140, died 2205	
Mrs. A. B. Baker		16410 Birch St., New York		Homemaker		Born 2145, died 2210	
Mr. C. D. Carter		16743 Spruce St., New York		Engineer		Born 2150, died 2215	
Mrs. E. F. Evans		17076 Ash St., New York		Teacher		Born 2155, died 2220	
Mr. G. H. Fisher		17409 Elm St., New York		Lawyer		Born 2160, died 2225	
Mrs. I. J. Gibson		17742 Oak St., New York		Nurse		Born 2165, died 2230	
Mr. K. L. Hall		18075 Pine St., New York		Engineer		Born 2170, died 2235	
Mrs. M. N. Hill		18408 Cedar St., New York		Teacher		Born 2175, died 2240	
Mr. O. P. King		18741 Birch St., New York		Lawyer		Born 2180, died 2245	
Mrs. Q. R. Lee		19074 Spruce St., New York		Homemaker		Born 2185, died 2250	
Mr. S. T. Miller		19407 Ash St., New York		Engineer		Born 2190, died 2255	
Mrs. U. V. Wilson		19740 Elm St., New York		Teacher		Born 2195, died 2260	
Mr. W. X. Young		20073 Oak St., New York		Lawyer		Born 2200, died 2265	
Mrs. Y. Z. Adams		20406 Pine St., New York		Nurse		Born 2205, died 2270	
Mr. A. B. Baker		20739 Cedar St., New York		Engineer		Born 2210, died 2275	
Mrs. C. D. Carter		21072 Birch St., New York		Teacher		Born 2215, died 2280	
Mr. E. F. Evans		21405 Spruce St., New York		Lawyer		Born 2220, died 2285	
Mrs. G. H. Fisher		21738 Ash St., New York		Homemaker		Born 2225, died 2290	
Mr. I. J. Gibson		22071 Elm St., New York		Engineer		Born 2230, died 2295	
Mrs. K. L. Hall		22404 Oak St., New York		Teacher		Born 2235, died 2300	
Mr. M. N. Hill		22737 Pine St., New York		Lawyer		Born 2240, died 2305	
Mrs. O. P. King		23070 Cedar St., New York		Nurse		Born 2245, died 2310	
Mr. Q. R. Lee		23403 Birch St., New York		Engineer		Born 2250, died 2315	
Mrs. S. T. Miller		23736 Spruce St., New York		Teacher		Born 2255, died 2320	
Mr. U. V. Wilson		24069 Ash St., New York		Lawyer		Born 2260, died 2325	
Mrs. W. X. Young		24402 Elm St., New York		Homemaker		Born 2265, died 2330	
Mr. Y. Z. Adams		24735 Oak St., New York		Engineer		Born 2270, died 2335	
Mrs. A. B. Baker		25068 Pine St., New York		Teacher		Born 2275, died 2340	
Mr. C. D. Carter		25401 Cedar St., New York		Lawyer		Born 2280, died 2345	
Mrs. E. F. Evans		25734 Birch St., New York		Nurse		Born 2285, died 2350	
Mr. G. H. Fisher		26067 Spruce St., New York		Engineer		Born 2290, died 2355	
Mrs. I. J. Gibson		26400 Ash St., New York		Teacher		Born 2295, died 2360	
Mr. K. L. Hall		26733 Elm St., New York		Lawyer		Born 2300, died 2365	
Mrs. M. N. Hill		27066 Oak St., New York		Homemaker		Born 2305, died 2370	
Mr. O. P. King		27399 Pine St., New York		Engineer		Born 2310, died 2375	
Mrs. Q. R. Lee		27732 Cedar St., New York		Teacher		Born 2315, died 2380	
Mr. S. T. Miller		28065 Birch St., New York		Lawyer		Born 2320, died 2385	
Mrs. U. V. Wilson		28398 Spruce St., New York		Nurse		Born 2325, died 2390	
Mr. W. X. Young		28731 Ash St., New York		Engineer		Born 2330, died 2395	
Mrs. Y. Z. Adams		29064 Elm St., New York		Teacher		Born 2335, died 2400	
Mr. A. B. Baker		29397 Oak St., New York		Lawyer		Born 2340, died 2405	
Mrs. C. D. Carter		29730 Pine St., New York		Homemaker		Born 2345, died 2410	
Mr. E. F. Evans		30063 Cedar St., New York		Engineer		Born 2350, died 2415	
Mrs. G. H. Fisher		30396 Birch St., New York		Teacher		Born 2355, died 2420	

Restaurant Management Curriculum  
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for students, both men and women, in the College of Agriculture and Home Economics who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Physiol. 103(1c)-Mammalian Physiology	4	Psych. 103(1c)-Human Behavior	4
Chem. 101(1) or 102(2)-General Chemistry; or Electives <sup>1/</sup>	5 or 3	Speech 101(1)-Principles of Effective Speaking	3
Hygiene 102(2) or 105(5)-Pers. and Environ. Hygiene	2	Chem. 101(1) or 102(2)-General Chemistry; or Electives <sup>1/</sup>	5 or 3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
<u>Total</u>	<u>16 or 14</u>	<u>Total</u>	<u>17 or 15</u>

Second Year

Chem. 132(32)-Elementary Organic Chemistry	3	Bact. 104(5a) and 105(5b)-Introductory Bacteriology	5
Soc. 100(1)-Principles of Sociology	3	Econ. 108(2)-Elements of Economics	3
English Literature	3	English Literature	3
Home Econ. 130(4)-Introduction to Foods and Nutrition	2	Rhet. 151(10)-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	2 to 4	Electives	0 to 3
<u>Total</u>	<u>15 to 17</u>	<u>Total</u>	<u>15 to 18</u>

<sup>1/</sup> Students taking Chem. 101(1) or 102(2) the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101(1) or 102(2) the second semester.



1890

Third Year

First Semester	Hours	Second Semester	Hours
Bus. Law 261(2)-Summary of Business Law	3	Mktg. 101(B.O.O. 2)-Principles of Marketing	3
Econ. 240(41)-Labor Problems	3	Econ. 248(43)-Personnel Administration	3
Home Econ. 131(58)-Foods	3	Home Econ. 220(5)-Dietetics	3
An. Sci. 104(36)-Selection and Use of Meats	2	Home Econ. 240(46)-Quantity Cookery	5
Accy. 101(1a)-Principles of Accounting; or Accy. 201(12)-Fundamentals of Accounting <sup>2/</sup>	3	Accy. 105(1b)-Accounting Procedure <sup>2/</sup> ; or Electives	3
Electives	<u>2 to 3</u>		
Total	<u>16 to 17</u>	Total	<u>17</u>

Fourth Year

Home Econ. 274-Restaurant Interior	3	Home Econ. 375-Advanced Quantity Cookery and Catering	3
Home Econ. 345(47)-Institution Management	3	Mgmt. 204(B.O.O. 24)-Industrial Purchasing	3
Home Econ. 350(48)-Institution Dietaries and Administration	4	Electives	9 to 12
Accy. 265-Hotel Accounting	3		
Electives	<u>3 to 5</u>		
Total	<u>16 to 18</u>	Total	<u>15 to 18</u>

Total required for graduation..... 130

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are strongly recommended and should be completed before registering in Home Econ. 375. This experience would normally come at the end of the second and third years.

<sup>2/</sup> Students who elect Accy. 101(1a) must also take Accy. 105(1b).

1. The first group of people who are interested in the study of the history of the world are the historians. They are people who are interested in the past and who want to know what happened in the world. They study the past in order to learn from it and to understand the present. They write books and articles about the past and they teach in schools and universities.

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COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN RESTAURANT MANAGEMENT--for the Degree, Bachelor of Science in  
Restaurant Management

PRESCRIBED COURSES:		Credit	Grade	PRESCRIBED COURSES:		Credit	Grade
Freshman and Sophomore Years				Junior and Senior Years			
Bact. 104 & 105 (5a & 5b)		3/2		Accountancy 101 & 105 (1a & 1b), or 201 (12)		6-3	
Chem. 101 or 102 (1 or 2)		5 or 3		Accountancy 265		3	
Chem. 132 (32)		3		Animal Science 104 (36)		2	
Economics 108 (2)		3		Business Law 261 (2)		3	
English Literature (6 hrs. to be elected)				Economics 240 (41)		3	
				Economics 248 (43)		3	
Home Economics 130 (4)		2		Home Economics 131 (58)		3	
Physiology 103 (1c)		4		Home Economics 220 (5)		3	
Psychology 103 (1c)		4		Home Economics 240 (46)		5	
Rhetoric 101 (1)		3		Home Economics 274			
Rhetoric 102 (2)		3		Home Economics 345 (47)		3	
Rhetoric 151 (10)		2		Home Economics 350 (48)		4	
Sociology 100 (1)		3		Home Economics 375		3	
Speech 101 (1)		3		Marketing 101 (B.O.O. 2)		3	
Hygiene 102 or 105 (2 or 5)		2		Management 204 (B.O.O. 24)		3	
Physical Education		1		TOTAL		47-50	
Physical Education		1		Open Electives:			
Physical Education		1					
Physical Education		1					
Physical Education		1					
Military (for men)		1		TOTAL HOURS <sup>1/</sup>			
Military		1					
Military		1					
Military		1					
TOTAL		50-56					

<sup>1/</sup> A total of 130 semester hours is required for graduation. Physical education and military science will be counted in the 130 hours. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are strongly recommended and should be completed before registering in Home Econ. 375. This experience would normally come at the end of the second and third years.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1910

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1900

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### Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

#### First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2) General Chemistry	5 or 3	Rhet. 102(2)-Rhetoric and Composition	3
Rhet. 101(1)-Rhetoric and Composition	3	Math. 114(4)-Plane Trigonometry	2
Math. 111(3) or 112(2)-Algebra	5 or 3	Geol. 105(44)-Agricultural Geology	3
Bot. 105(5)-Botany for Students in Agriculture	3	Forestry 101(1)-Gen. Forestry	3
Hygiene 105(5)-Personal and Environmental Hygiene	2	G.E.D. 101(1)-Elements of Drawing	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>17</b>

#### Second Year

C. E. 115(15)-General Surveying	3	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Physical Education	1
Chem. 132(32)-Elementary Organic Chemistry	3	Military Science (for men)	1
Physical Education	1	Electives	11
Military Science (for men)	1		
Electives	5 or 6		
<b>Total</b>	<b>16 or 17</b>	<b>Total</b>	<b>18</b>

#### Electives

	Hours
Bot. 130(3)-Plant Physiology	5
Bot. 160(6)-Introductory Systematic Botany	3
Geog. 111(14)-Introduction to Meteorology	3
Physics 101(4a)-General Physics (Mechanics, Sound, and Heat)	5
Physics 102(4b)-General Physics (Light, Electricity, and Magnetism)	5
Pol. Sci. 150(1a)-American Government	3
Speech 101(1)-Principles of Effective Speaking	3
Zool. 101(1)-General Zoology, or Zool. 104(15)-Animal Biology	5 or 4











# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

Robert R. Hudelson, Associate Dean  
C. D. Smith, Assistant Dean

University of Illinois College of Agriculture  
Urbana, Illinois

August 1950

ACA377 (Rev.)



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Office Hours: \_\_\_\_\_





## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

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<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944





Table 1, entitled "Job Distribution of Agricultural Graduates in 1930 and 1940," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted term programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Faculty and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.

1. The first thing I noticed when I stepped out of the plane was the cold. It was a sharp contrast to the warm, humid air of the tropics. I had heard that the weather in the north was harsh, but I didn't realize how cold it would be. The wind was biting, and the sun felt like a distant star. I wrapped myself in my coat, trying to keep warm. The ground beneath my feet was frozen solid, and I could see my breath in the air. It was a strange feeling, being so far from home in a place so different from what I was used to.

2. The second thing I noticed was the silence. It was a deep, quiet silence, the kind that comes from a vast, open landscape. There were no cars, no people, no noise at all. It was a peaceful silence, but it also felt a little lonely. I had heard that the north was a quiet place, but I didn't realize how quiet it would be. The only sounds I could hear were the rustle of my coat and the crunch of my boots on the snow.

3. The third thing I noticed was the beauty. It was a breathtaking beauty, the kind that takes your breath away. The snow was pure white, and the mountains were a brilliant blue. The sky was a deep, clear blue, and the stars were bright and clear. It was a beautiful sight, and I felt like I had found a new world. I had heard that the north was a beautiful place, but I didn't realize how beautiful it would be.

4. The fourth thing I noticed was the cold. It was a cold that went to the bone, the kind that makes you shiver and tremble. I had heard that the north was a cold place, but I didn't realize how cold it would be. The wind was biting, and the sun felt like a distant star. I wrapped myself in my coat, trying to keep warm. The ground beneath my feet was frozen solid, and I could see my breath in the air. It was a strange feeling, being so far from home in a place so different from what I was used to.

5. The fifth thing I noticed was the silence. It was a deep, quiet silence, the kind that comes from a vast, open landscape. There were no cars, no people, no noise at all. It was a peaceful silence, but it also felt a little lonely. I had heard that the north was a quiet place, but I didn't realize how quiet it would be. The only sounds I could hear were the rustle of my coat and the crunch of my boots on the snow.

6. The sixth thing I noticed was the beauty. It was a breathtaking beauty, the kind that takes your breath away. The snow was pure white, and the mountains were a brilliant blue. The sky was a deep, clear blue, and the stars were bright and clear. It was a beautiful sight, and I felt like I had found a new world. I had heard that the north was a beautiful place, but I didn't realize how beautiful it would be.

7. The seventh thing I noticed was the cold. It was a cold that went to the bone, the kind that makes you shiver and tremble. I had heard that the north was a cold place, but I didn't realize how cold it would be. The wind was biting, and the sun felt like a distant star. I wrapped myself in my coat, trying to keep warm. The ground beneath my feet was frozen solid, and I could see my breath in the air. It was a strange feeling, being so far from home in a place so different from what I was used to.

8. The eighth thing I noticed was the silence. It was a deep, quiet silence, the kind that comes from a vast, open landscape. There were no cars, no people, no noise at all. It was a peaceful silence, but it also felt a little lonely. I had heard that the north was a quiet place, but I didn't realize how quiet it would be. The only sounds I could hear were the rustle of my coat and the crunch of my boots on the snow.

9. The ninth thing I noticed was the beauty. It was a breathtaking beauty, the kind that takes your breath away. The snow was pure white, and the mountains were a brilliant blue. The sky was a deep, clear blue, and the stars were bright and clear. It was a beautiful sight, and I felt like I had found a new world. I had heard that the north was a beautiful place, but I didn't realize how beautiful it would be.



### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, six curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. Agricultural Science
3. Dairy Technology
4. Floriculture
5. Food Technology
6. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 12 to 19. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 20 to 22.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in agricultural science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in agricultural science and in general agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training



THE UNITED STATES OF AMERICA

THE OFFICE OF THE SECRETARY OF THE ARMY AND NAVY DEPARTMENT, WASHINGTON, D. C. 20315

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but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.





TABLE 1. JOB DISTRIBUTION OF AGRICULTURAL GRADUATES IN 1930 and 1940<sup>a/</sup>

Occupational groups	1930		1940	
	Number replying to questionnaire	Percent of all persons replying	Number replying to questionnaire	Percent of all persons replying
<b>Educational workers</b>				
College teachers .....	163	7.8	131	7.8
College administrators .....	6	.3	9	.5
Directors of extension .....	2	.1	11	.7
Extension specialists .....	33	1.1	43	2.6
County agents .....	108	5.0	97	5.8
High-school teachers .....	278	13.3	291	17.2
Coaches .....	9	.4	5	.3
<b>Professional technicians</b>				
Agronomists .....	29	1.4	76	4.5
Bacteriologists .....	1	0	6	.4
Chemists .....	24	1.2	16	1.0
Economists .....	14	.7	18	1.1
Engineers .....	33	1.6	24	1.4
Entomologists .....	13	.6	8	.5
Horticulturists .....	14	.7	5	.3
Statisticians .....	0	0	6	.4
Zoologists .....	0	0	2	.1
U.S.D.A. officials .....	14	.7	23	1.4
Farm Security Administration supervisors .....	0	0	49	2.9
Foresters .....	5	.2	0	0
<b>Subprofessional technicians</b>				
Inspectors .....	12	.6	19	1.1
Butter and ice-cream makers .....	3	.1	5	.3
Herdsmen .....	2	.1	9	.5
Miscellaneous .....	9	.4	2	.1
<b>Business managers and employees</b>				
Industrial managers .....	99	4.8	78	4.6
Wholesale managers .....	39	1.9	69	4.1
Retail managers .....	56	2.7	28	1.7
Buyers .....	18	.9	11	.7
Officers .....	32	1.5	29	1.7
Clerks .....	17	.8	26	1.5
Salesmen and salesmanagers .....	125	6.0	52	3.1
<b>Insurance, loan, real-estate agents</b>				
Insurance salesmen .....	39	1.9	28	1.7
Real-estate salesmen .....	17	.8	17	1.0
Loan agents .....	28	1.3	26	1.5
Bank officials .....	20	1.0	10	.6
Appraisers .....	10	.5	16	1.0
<b>Farmers</b>				
Operators (owners, tenants) .....	459	22.1	240	14.3
Managers .....	58	2.8	48	2.9
Hands .....	0	0	3	.2
<b>Others</b>				
Florists and landscape gardeners .....	157	7.5	36	2.1
Hatcherymen .....	11	.5	5	.3
Lawyers .....	10	.5	8	.5
Doctors and dentists .....	14	.7	9	.5
Ministers .....	9	.4	6	.4
Soldiers .....	6	.3	8	.5
Public officials .....	19	.9	9	.5
Artists and musicians .....	8	.4	0	0
Journalism and advertising .....	51	2.4	32	1.9
Skilled tradesmen .....	3	.1	5	.3
Laborers .....	2	.1	5	.3
Unemployed .....	24	1.1	4	.2
Retired .....	2	.1	1	.1
Students .....	26	1.0	19	1.1
<b>All groups</b> .....	<b>2 107</b>	<b>--</b>	<b>1 683</b>	<b>--</b>

<sup>a/</sup> The classifications in these two surveys are not comparable in all respects and this accounts for some discrepancies. More replies were received in 1930 owing to a more intensive follow-up and a simpler questionnaire.



Name \_\_\_\_\_

## PROGRAM BY SEMESTERS

Objective \_\_\_\_\_

Curriculum \_\_\_\_\_

Use this sheet to plan your programs as far ahead as possible. Refer to the University of Illinois Undergraduate Study Bulletin to determine which semester certain courses are offered.

\_\_\_\_\_ Semester 19\_\_-19\_\_ \_\_\_\_\_ Semester 19\_\_-19\_\_

Courses I plan to take:	Hours	Courses I plan to take:	Hours
1.		2.	
3.		4.	
5.		6.	
7.		8.	





**General Agriculture Curriculum**  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (soils).

FIRST YEAR

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Rhet. 101(1)	3	Rhet. 102(2)	3
Hygiene	2	Chem. 102(2) or 101(1)	3 or 5
Bot. 100	4	Zool. 104(15)	4
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

SECOND YEAR

Mil. Sci. & P. E.	2	Mil. Sci. & P. E.	2
Geology 105(44)	3	Agron. 201(2)	5
Chem. 132(32)	3	Econ. 108(2)	3
Three courses from Group 1	9	Two courses from Group 1	6
Total	17	Total	16

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies, and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Total Required for Graduation 130

Group 1--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100(1) <sup>1/</sup> --Introductory Agr. Economics	3
Agr. Eng. 101(1)--Introduction to Agr. Engineering	3
Agronomy 121(1)--Crop Production	4
An. Sci. 101(1)--Introduction to Animal Science	3
An. Sci. 102(21)--Principles of Feeding	3
Da. Sci. 100(24a)--Introduction to Dairy Production	3
Horticulture--Introductory Horticulture	3
Forestry 101 (1)--General Forestry, or Forestry	
102 (2)--Farm Forestry, or Hort. elective	3 or 2
TOTAL. . . . .	25 or 24

Group 2--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

<sup>1/</sup> Students entering as juniors or seniors should substitute Agr. Econ. 120(20) or Agr. Econ. 130(30) for Agr. Econ. 100(1).





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

**CURRICULUM IN GENERAL AGRICULTURE**--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

**AGRICULTURE PRESCRIBED**--These courses should be completed before the junior year or as soon thereafter as possible

**AGRICULTURE ELECTIVES**--The total of agr. prescribed and agr. elective courses must equal at least 50 hours

	credit	grade		credit	grade	
Agr. Econ.(1) 100	3					Earned:
Agr. Eng. (1) 101	3					To be earned:
Agronomy (1) 121	4					
Agronomy (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV OF ILLINOIS
Da. Sci. (D.P. 24a) 100	3					
Hort. 100	3					
Forestry (1 or 2) 101 or 102 or Hort. elective	3-2					
Total Hours	29-30					
<b>NON-AGRICULTURE PRESCRIBED:</b>			<b>HUMANITIES AND SOCIAL STUDIES--</b> Minimum of 12 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.			
Botany 100	4					Earned:
Chemistry (1 or 2) 101 or 102	5-3					
Chemistry (32) 132	3					To be earned:
Economics (2) 108	3					
Geology (44) 105	3					
Hygiene	2					
Rhetoric (1) 101	3		<b>OPEN ELECTIVES:</b>			
Rhetoric (2) 102	3					TOTAL HOURS.
Zoology (15) 104	4					
Military						
Military						
Military						
Military						
P.E.						
P.E.						
P.E.						
P.E.						D grades:

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to Oct. 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.

The results of the study are presented in the following table. The data are based on the results of the study and are not intended to be used for any other purpose. The results are presented in the following table.

Group		Number of subjects		Mean (SD)		t-value		p-value	
Group 1	Control	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 2	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 3	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 4	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
Group 2	Control	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 2	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 3	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 4	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
Group 3	Control	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 2	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 3	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 4	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
Group 4	Control	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 2	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 3	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0
	Group 4	10	10	10.0 (1.0)	10.0 (1.0)	1.0	1.0	1.0	1.0

The results of the study are presented in the following table. The data are based on the results of the study and are not intended to be used for any other purpose. The results are presented in the following table.

## Suggested Majors in the General Agriculture Curriculum

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science Curriculum.

<u>Agricultural Courses:</u>	<u>Hours</u>
*Animal Science 103 (3)--Breeds and Market Classes of Livestock (I)	5
Animal Science 104 (36)--Selection and Use of Meat (I)	2
Animal Science 201 (6)--Livestock Management (II)	3
One or more of the following:	
Animal Science 206 (33)--Light and Heavy Horses (II)	3
Animal Science 301 (25)--Beef Production (I, II)	3
Animal Science 302 (27)--Sheep Production (II)	3
Animal Science 303 (26)--Pork Production (I, II)	3
Animal Science 304 (37)--Poultry Management (I, II)	3-4
*Animal Science 305 (41)--Animal Genetics (II)	3
*Animal Nutrition 301 (51)--Introduction to Animal Nutrition (II)	3
Agr. Economics 120 (20)--Farm Management (I, II)	3
Agr. Economics 332 (37)--Marketing Livestock (II)	2
Agronomy 322 (8)--Forage Crops and Pastures (I, II)	3
*Agriculture 216 (16)--Experimental and Biological Statistics (I, II)	3

### Other Courses:

Vet. Anatomy 101 (1)--Anatomy of Domestic Animals (I)	3
Vet. Path. & Hygiene 105 (5)--Animal Hygiene (I)	3
Vet. Physiology & Pharm. 102 (2)--Physiology of Domestic Animals (II)	3

Additional courses in Animal Science or in related subjects to be selected in individual cases after consultation with the student's adviser.

\*Required in the Agricultural Science Curriculum for a major in Animal Science.





## Suggested Majors for Students in the General Agriculture Curriculum

Dairy Production Major: This major is for students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection and management of dairy cattle.

<u>Agricultural Courses:</u>			<u>Hours</u>
Da. Sci. (D.P. 2b)	104--Dairy Cattle Judging (I,II)		2
Da. Sci. (D.P. 2a)	201--Reproduction, Genetics and Improvement of Dairy Cattle (I)		3
Da. Sci. (D.P. 2a)	202--Feeding Dairy Cattle (II)		3
Da. Sci. (D.P. 20)	311--Problems in Dairy Farming (I)		3
Da. Sci. (D.P. 11)	150--General Dairy Bacteriology (II)		2
Da. Sci. (D.P. 12)	151--General Dairy Bacteriology (II)		3
Da. Sci. (D.P. 34)	334--Marketing Dairy Products (II)		3
Agronomy (8)	322--Forage Crops and Pastures (I,II)		3

Other Courses:

Vet. Path. & Hygiene (5)	105--Animal Hygiene (I)	3
Vet. Phy. & Pharm. (2)	102--Physiology of Domestic Animals (II)	3
Bact. (5a & 5b)	104 & 105--Introductory Bacteriology (I, II)	5

Farm Crops Major: This major is for students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>			<u>Hours</u>
Agriculture (16)	216--Experimental and Biological Statistics (I,II)		3
Agronomy (11)	302--Role of Microorganisms in Soil Fertility (I)		3
Agronomy (13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)		3
Agronomy (7)	321--Crop Production as Affected by the Environment (I)		3
Agronomy (8)	322--Forage Crops and Pastures (I,II)		3
Agronomy (22)	323--Improvement of Farm Crops by Breeding (I, II)		3
Agronomy (29)	324--Principles of Field Plot Experimentation (I)		3
Agronomy (36)	325--Corn Breeding (II)		3
Agronomy (14)	331--Grain Grading and Marketing (I)		3

Other Courses:

Bact. (5a)	104--Introductory Bacteriology (I,II)	3
Botany (3)	130--Plant Physiology (I)	5
Botany (7)	317--Plant Pathology (I)	3
Entom. (1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Math. (3 or 2)	111 or 112--Algebra or College Algebra (I,II)	5 or 3
Speech (1)	101--Principles of Effective Speaking (I,II)	3





### Suggested Majors for Students in General Agriculture Curriculum

Soil Conservation Major: This major is for students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>			<u>Hours</u>
Agr. Econ.	(20)	120--Farm Management (I,II)	3
Agr. Econ.	(25)	325--Advanced Farm Management (I)	3
Agr. Eng.	( 5)	252--Mechanics of Soil and Water Conservation (II)	3
Agronomy	(10)	301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy	(11)	302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy	(13)	303--Soil Productivity, Its Variation, Modification and Conservation (II)	3
Agronomy	(33)	306--Fertilizers and Their Soil Reactions (I)	3
Agronomy	(15)	307--Principles of Soil Conservation (II)	3
Agronomy	( 7)	321--Crop Production as Affected by the Environment (I)	3
Agronomy	( 8)	322--Forage Crops and Pastures (I,II)	3
An. Sci.	( 6)	201--Livestock Management (II)	3
or Da. Sci.	(20)	311--Problems in Dairy Farming (I)	3
Forestry	( 2)	102--Farm Forestry (I,II)	3

#### Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology (I,II)	5
Botany	( 3)	130--Plant Physiology (I)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects (I,II)	5
Speech	( 1)	101--Principles of Effective Speaking (I,II)	3



## Suggested Majors for Students in the General Agriculture Curriculum

Pomology Major: This major is for students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>			<u>Hours</u>
Horticulture	( 2)	162--Small Fruit Culture (II)	3
Horticulture	( 7)	204--Spraying (II)	3
Horticulture	( 8)	263--Orcharding (I)	5
Horticulture	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Horticulture	(46)	333--Marketing Horticultural Products (I)	3
Horticulture	(17)	317--Plant Pathology (I)	3
Horticulture	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

### Other Courses:

Botany	( 3)	130--Plant Physiology (I)	5
Bacteriology	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Entomology	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5
Entomology	(20)	319--Chemical Control of Insects (I)	4

Vegetable Crops Major: This major is for students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>			<u>Hours</u>
Hort.	( 3)	242--Commercial Vegetable Production (II)	3
Hort.	(17)	317--Plant Pathology (I)	3
Hort.	(44)	361 & 362--Current Horticultural Literature (I,II)	2
Hort.	(52)	308--Vegetable Diseases (II, alternate years)	3
Hort.	(46)	333--Marketing Horticultural Products (I)	3
Hort.	(12)	382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Hort.	(new)	343--Structure and Classification of Vegetable Crop Plants (I, alternate years)	3
Hort.	(new)	345--Growth and Development of Vegetable Crops (I, alternate years)	4
Agronomy	(22)	323--Improvement of Farm Crops by Breeding (I,II)	3

### Other Courses:

Bact.	(5a & 5b)	104 & 105--Introductory Bacteriology With Laboratory (I,II)	5
Botany	( 3)	130--Plant Physiology (I)	5
Entom.	(1a & 1b)	101 & 102--Destructive and Useful Insects With Laboratory (I,II)	5



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Page	Section	Article	Author
1	Original Article	The Problem of the "Unlabeled" Patient	W. H. W. H.
2	Original Article	The Problem of the "Unlabeled" Patient	W. H. W. H.
3	Original Article	The Problem of the "Unlabeled" Patient	W. H. W. H.
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THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION  
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CHICAGO, ILL., MAY 1, 1936

Page	Section	Article	Author
21	Original Article	The Problem of the "Unlabeled" Patient	W. H. W. H.
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Page	Section	Article	Author
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### Suggested Majors for Students in the General Agriculture Curriculum

Mechanization Major: This major is for students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with service organizations, retail dealers, or contracting or management companies.

#### Agricultural Courses:

		<u>Hours</u>
Agr. Eng.	( 2) 131--Field and Power-Driven Machinery (I)	3
Agr. Eng.	( 3) 142--Gas Engines and Tractors (II)	3
Agr. Eng.	( 4) 272--Farm Buildings (II)	3
Agr. Eng.	( 5) 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Eng.	(14) 241--Electric Power for the Farm (I)	3
Agr. Eng.	(28) 242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Eng.	(51) 393--Special Problems (I,II)	3
Agr. Econ.	(20) 120--Farm Management (I,II)	3
Agr. Econ.	(24) 224--Farm Operation (II)	3
Agr. Econ.	(26) 203--Agriculture Law (I)	3
Agronomy	(15) 307--Principles of Soil Conservation (II)	3

#### Other Courses:

Accountancy	(12) 201--Fundamentals of Accounting (I,II)	3
Marketing	(B.O.O. 7) 271--Salesmanship (I,II)	2
Mathematics	(3 or 2) 112 or 111--College Algebra or Algebra (I,II)	5 or 3
Mathematics	( 4) 114--Plane Trigonometry (I,II)	2
Rhetoric	(10) 151--Business Letter Writing (I,II)	2
Speech	( 1) 101--Principles of Effective Speaking (I,II)	3

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Date	Project Description	1	2	3	4
1950	(1) ... ..	1	1	1	1
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	(15) ... ..	1	1	1	1
	(16) ... ..	1	1	1	1
	(17) ... ..	1	1	1	1
	(18) ... ..	1	1	1	1
	(19) ... ..	1	1	1	1
1951	(20) ... ..	1	1	1	1
	(21) ... ..	1	1	1	1
1952	(22) ... ..	1	1	1	1
	(23) ... ..	1	1	1	1
1953	(24) ... ..	1	1	1	1
	(25) ... ..	1	1	1	1



## Suggested Majors for Students in the General Agriculture Curriculum

Farm Management and Farm Finance Major: This major is for students interested in preparing for work in the farm management and farm credit fields.

<u>Agricultural Courses:</u>		<u>Hours</u>
Agr. Econ. (20)	120--Farm Management (I,II)	3
Agr. Econ. (24)	224--Farm Operation (II)	3
Agr. Econ. (25)	325--Advanced Farm Management (I)	3
Agr. Econ. (26)	203--Agricultural Law (I)	3
Agr. Econ. (15)	302--Financing Agriculture (II)	3
Agr. Econ. ( 8)	342--Agricultural Prices (II)	3
Agronomy (10)	301--Genesis, Morphology, Classification and Geography of Soils (II)	3
Agronomy ( 8)	322--Forage Crops and Pastures (I,II)	3
Agr. Eng. ( 4)	272--Farm Buildings (II)	3
Agr. Eng. ( 5)	252--Mechanics and Soil and Water Conservation (II)	3
An. Sci. ( 6)	201--Livestock Management (II)	3
Da. Sci. (D.P. 20)	311--Problems in Dairy Farming (I)	3
Agr. Econ. (42)	312--(same as Agronomy (35) 312) Farm Appraisals (II)	5
Agr. Econ. ( 7)	277--(same as Sociology (7) 277) Rural Sociology (I,II)	3

### Other Courses:

Rhetoric (10)	151--Business Letter Writing (I,II)	2
Economics ( 3)	250--Money, Credit and Banking (I,II)	3
Accy. (12)	201--Fundamentals of Accounting (I,II)	3



### Suggested Majors for Students in the General Agriculture Curriculum

Agricultural Marketing Major: This major is for students interested in various private and cooperative businesses and governmental agencies dealing with farm products, foods and farm supplies.

#### Agricultural Courses:

#### Hours

Agr. Econ. (30)	130--Marketing Agricultural Products (I,II)	3
Agr. Econ. ( 6)	341--Agricultural Statistics (I)	3
Agr. Econ. ( 8)	342--Agricultural Prices (II)	3
*Agr. Econ. (31)	331--Grain Grading & Marketing (I)	3
*Agr. Econ. (36)	333--Marketing Horticultural Products (I)	3
*Agr. Econ. (34)	334--Marketing Dairy Products (II)	3
*Agr. Econ. (37)	332--Marketing Livestock (II)	2

#### Non-Agricultural Courses: (Humanities and Social Studies or Open Electives)

Speech	( 1) 101--Principles of Effective Speaking (I,II)	3
Rhetoric	(10) 151--Business Letter Writing (I,II)	2
Marketing	(B.O.O. 7) 271--Salesmanship (I,II)	2
Economics	(378)--Consumers and the Market (II)	3
Economics	(92) 384--Economics of Transportation (I,II)	3
Economics	( 3) 250--Money, Credit and Banking (I,II)	3
Accy.	(12) 201--Fundamentals of Accounting (I,II)	3
Bus. Law	( 2) 261--Summary of Business Law (I,II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.



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## Suggested Majors for Students in the General Agriculture Curriculum

Rural Group Leadership Major: This major is for students preparing for work in extension, 4-H and other rural youth work, rural pastorships<sup>1/</sup>, rural social welfare work, rural recreation, rural library work, etc.

Agricultural Courses:Hours

*Agr. Econ.	( 7) 277--(same as Sociology 277) Rural Sociology (I or II)	3
Agr. Econ.	(12) 177--Farmers' and Rural Organizations (II)	3
Agr. Econ.	(20) 120--Farm Management (I,II)	3
Agr. Econ.	(30) 130--Marketing of Agricultural Products (I,II)	3
Agr. Econ.	305--Agricultural Development and Policies (I)	3
Agr. Eng.	(24) 361--Farm Home Planning in Relation to Function (II)	2

Other Courses:

*Psychology	( 1) 100--Introduction to Psychology (I,II)	4
*Sociology	( 1) 100--Principles of Sociology (I,II)	3
Sociology	(14) 344--Public Opinion (I,II)	3
Speech	( 1) 101--Principles of Effective Speaking (I,II)	3
Soc. Wel. Adm.	(22) 222--Introduction to Social Group Work (I,II)	2
Soc. Wel. Adm.	(20) 225--Introduction to Social Work I (I,II)	3-4
Soc. Wel. Adm.	(20) 226--Introduction to Social Work II (I,II)	3-4
Economics	(52) 216--State and Local Taxation in Illinois (I)	3
*Pol. Science	(1a) 150--American Government (I,II)	3
P. E. M.	(14) 211--Social Recreation Activities (I,II)	2

1/ Pre-Theological Majors are advised to include among their electives the courses marked \*; at least two courses from English (12) 113, (13) 114, (20b) 121, and (20a) 122; at least one course from History (1a) 111, (1b) 112, (16a) 353 and (16b) 354; and Philosophy (1) 101 or (2) 102. If you plan to enter a particular seminary, care should be taken to include all subjects necessary for admission.

Information relating to the activities of the Communist Party in the United States.

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Page

Page

1	(1) Information relating to the activities of the Communist Party in the United States.	Page
2	(2) Information relating to the activities of the Communist Party in the United States.	Page
3	(3) Information relating to the activities of the Communist Party in the United States.	Page
4	(4) Information relating to the activities of the Communist Party in the United States.	Page
5	(5) Information relating to the activities of the Communist Party in the United States.	Page
6	(6) Information relating to the activities of the Communist Party in the United States.	Page
7	(7) Information relating to the activities of the Communist Party in the United States.	Page
8	(8) Information relating to the activities of the Communist Party in the United States.	Page
9	(9) Information relating to the activities of the Communist Party in the United States.	Page
10	(10) Information relating to the activities of the Communist Party in the United States.	Page

Page

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2	(2) Information relating to the activities of the Communist Party in the United States.	Page
3	(3) Information relating to the activities of the Communist Party in the United States.	Page
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5	(5) Information relating to the activities of the Communist Party in the United States.	Page
6	(6) Information relating to the activities of the Communist Party in the United States.	Page
7	(7) Information relating to the activities of the Communist Party in the United States.	Page
8	(8) Information relating to the activities of the Communist Party in the United States.	Page
9	(9) Information relating to the activities of the Communist Party in the United States.	Page
10	(10) Information relating to the activities of the Communist Party in the United States.	Page

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**General Agriculture Curriculum with Major in Teacher Training**  
(for the degree, Bachelor of Science in Agriculture)

First Year

First Semester	Hours	Second Semester	Hours
Bot. 100-General Botany	4	Chem. 101(1) or 102(2)-General Chemistry	5 or 3
Hygiene 101 or 104	2	Rhetoric 102(2)-Rhet. & Comp.	3
Rhetoric 101(1)-Rhet. & Comp.	3	Zoology 104(15)-Zoology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111(7)-Farm Structures and Soil and Water Conservation, or 112(6)-Tractors and Field Machinery	3	Agr. Eng. 112(6)-Tractors and Field Machinery, or 111(7)-Farm Structures and Soil and Water Conservation	3
Geol. 105(44)-Agricultural Geol.	3	Chem. 132(32)-Elem. Org. Chem.	3
Educ. 101-The Nature of the Teaching Profession	2	Econ. 108(2)-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Two courses from Group 1	6	Two courses from Group 1	6
Total	16	Total	17

Third Year

Agron. 201(2)-Soils	5	Agr. Econ. 120(20)-Farm Mgmt.	3
Psych. 100(1)-Intro. to Psych.	4	Hist. 152(3b)-History of U. S.	3
Speech 101(1)-Prin. of Effective Speaking	3	Educ. 201-Found. of Am. Educ.	2
Agricultural Electives	3 to 6	Educ. 240-Prin. of Sec. Educ.	2
Total	15 to 18	Agricultural Electives	6
		Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276(50)-Practice in Agr. Education	5	Pol. Sci. 150(1a)-American Govt. Electives (including 2 hours of humanities) <sup>2/</sup>	3
Agr. Educ. 277(51)-Programs & Procedures in Agr. Education	5		11-17
Educ. 211-Educational Psychology	3		
Agr. Eng. 201(21), or Da. Sci. 204(33) <sup>1/</sup> or other Agr. Elective	2 or 3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. . . . . 130

<sup>1/</sup> Da. Sci. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.

Amounts indicated in this column are for the purpose of showing the total amount of the various items in the column.

### TABLE I

Item	Amount	Item	Amount
1. General expenses	100.00	1. General expenses	100.00
2. Salaries	200.00	2. Salaries	200.00
3. Fuel	50.00	3. Fuel	50.00
4. Light	25.00	4. Light	25.00
5. Water	10.00	5. Water	10.00
6. Telephone	15.00	6. Telephone	15.00
7. Postage	10.00	7. Postage	10.00
8. Printing	20.00	8. Printing	20.00
9. Repairs	15.00	9. Repairs	15.00
10. Miscellaneous	10.00	10. Miscellaneous	10.00
<b>Total</b>	<b>545.00</b>	<b>Total</b>	<b>545.00</b>

### TABLE II

1. General expenses	100.00	1. General expenses	100.00
2. Salaries	200.00	2. Salaries	200.00
3. Fuel	50.00	3. Fuel	50.00
4. Light	25.00	4. Light	25.00
5. Water	10.00	5. Water	10.00
6. Telephone	15.00	6. Telephone	15.00
7. Postage	10.00	7. Postage	10.00
8. Printing	20.00	8. Printing	20.00
9. Repairs	15.00	9. Repairs	15.00
10. Miscellaneous	10.00	10. Miscellaneous	10.00
<b>Total</b>	<b>545.00</b>	<b>Total</b>	<b>545.00</b>

### TABLE III

1. General expenses	100.00	1. General expenses	100.00
2. Salaries	200.00	2. Salaries	200.00
3. Fuel	50.00	3. Fuel	50.00
4. Light	25.00	4. Light	25.00
5. Water	10.00	5. Water	10.00
6. Telephone	15.00	6. Telephone	15.00
7. Postage	10.00	7. Postage	10.00
8. Printing	20.00	8. Printing	20.00
9. Repairs	15.00	9. Repairs	15.00
10. Miscellaneous	10.00	10. Miscellaneous	10.00
<b>Total</b>	<b>545.00</b>	<b>Total</b>	<b>545.00</b>

### TABLE IV

1. General expenses	100.00	1. General expenses	100.00
2. Salaries	200.00	2. Salaries	200.00
3. Fuel	50.00	3. Fuel	50.00
4. Light	25.00	4. Light	25.00
5. Water	10.00	5. Water	10.00
6. Telephone	15.00	6. Telephone	15.00
7. Postage	10.00	7. Postage	10.00
8. Printing	20.00	8. Printing	20.00
9. Repairs	15.00	9. Repairs	15.00
10. Miscellaneous	10.00	10. Miscellaneous	10.00
<b>Total</b>	<b>545.00</b>	<b>Total</b>	<b>545.00</b>

The above table shows the total amount of the various items in the column. The amounts are in dollars and cents.

Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100(1)--Introductory Agr. Economics (I,II)	3
Agronomy 121(1)--Crop Production (I,II)	4
An. Sci. 101(1)--Introduction to Animal Science (I,II)	3
An. Sci. 102(21)--Principles of Feeding (I,II)	3
Da. Sci. 100(D.P.24a)--Introduction to Dairy Prod. (I,II)	3
Horticulture 100--Introductory Horticulture	3
Forestry 101(1)--General Forestry, or Forestry 102(2)-- Farm Forestry, or Hort. elective	<u>3 or 2</u>
Total	<u>22 or 21</u>

Fifth Year

(for the degree, Master of Science in Agricultural Education)

First Semester	Units	Second Semester	Units
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning and Teaching	1/2	Two of the following courses:	
Educ. 312-Mental Hygiene and the School	1/2	Educ. 301-Philos. of Educ.	1/2
Electives	1	Educ. 302-Hist. of Am. Educ.	1/2
		Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	<u>1</u>
Total	<u>4</u>	Total	<u>4</u>



Reaction	Yield (%)	Time (min)	Temperature (°C)
1. 2,4-dinitrophenol + sodium hydroxide (1:1)	95	10	100
2. 2,4-dinitrophenol + sodium hydroxide (1:2)	98	10	100
3. 2,4-dinitrophenol + sodium hydroxide (1:3)	99	10	100
4. 2,4-dinitrophenol + sodium hydroxide (1:4)	100	10	100
5. 2,4-dinitrophenol + sodium hydroxide (1:5)	100	10	100
6. 2,4-dinitrophenol + sodium hydroxide (1:6)	100	10	100
7. 2,4-dinitrophenol + sodium hydroxide (1:7)	100	10	100
8. 2,4-dinitrophenol + sodium hydroxide (1:8)	100	10	100
9. 2,4-dinitrophenol + sodium hydroxide (1:9)	100	10	100
10. 2,4-dinitrophenol + sodium hydroxide (1:10)	100	10	100

### Table 2

Summary of experimental results for the various types of chemical reactions.

Reaction	Yield (%)	Time (min)	Temperature (°C)
1. 2,4-dinitrophenol + sodium hydroxide (1:1)	95	10	100
2. 2,4-dinitrophenol + sodium hydroxide (1:2)	98	10	100
3. 2,4-dinitrophenol + sodium hydroxide (1:3)	99	10	100
4. 2,4-dinitrophenol + sodium hydroxide (1:4)	100	10	100
5. 2,4-dinitrophenol + sodium hydroxide (1:5)	100	10	100
6. 2,4-dinitrophenol + sodium hydroxide (1:6)	100	10	100
7. 2,4-dinitrophenol + sodium hydroxide (1:7)	100	10	100
8. 2,4-dinitrophenol + sodium hydroxide (1:8)	100	10	100
9. 2,4-dinitrophenol + sodium hydroxide (1:9)	100	10	100
10. 2,4-dinitrophenol + sodium hydroxide (1:10)	100	10	100

**CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree,  
Bachelor of Science in Agriculture**

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			Earned:
	credit	grade		credit	grade	
Agr. Econ. (1) 100	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Agr. Econ. (20) 120	3					
Agr. Eng. (6) 112	3					
Agr. Eng. (7) 111	3					
Agron. (1) 121	4					
Agron. (2) 201	5					
An. Sci. (1) 101	3					
An. Sci. (21) 102	3					
Da. Sci. (D. P. 24a) 100	3					
Hort. 100	3					
Forestry (1) 101 or (2) 102, or Hort. elective	3-2					
Total	35-36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 10C	4		History (3b) 152	3		
Chemistry (1) 101 or (2) 102	5-3		Pol. Sci. (1a) 150	3		
Chemistry (32) 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics (2) 108	3		Psychol. (1) 100	4		
Geology (44) 105	3		Humanities electives (Art, music, lang., lit., psych., phil.)			
Rhetoric (1) 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric (2) 102	3		Education 101	2		
Speech (1) 101	3		Education 201	2		
Zoology (15) 104	4		Education 211	3		
Hygiene	2		Education (6b) 240	2		
Military	1		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.





## CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is for students who plan to do graduate study in agricultural fields or those who wish to engage in technical work requiring more science or mathematics than can readily be included in the "General Agriculture" curriculum. A student will be permitted to enter the curriculum or to continue in it only if he has a grade point average of 3.5 or higher. It is characterized by great flexibility and lends itself to individualized programs of study. For satisfactory results this curriculum presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and gaining assignment to a suitable adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

- Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
- Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	<u>2</u> /16
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	<u>1</u> /10	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	<u>1</u> /10	16
Electives, Unrestricted	<u>22</u>	<u>35</u>
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

2/ Students in Option II must include at least 8 semester hours in Economics.

This material is for release only to the extent that it is necessary to the understanding of the subject of this report. It is not to be released to the public.

1. *Psychology* 2. *History* 3. *Philosophy* 4. *Science* 5. *Art* 6. *Music* 7. *Dance* 8. *Theater* 9. *Visual Arts* 10. *Literature* 11. *Religion* 12. *Politics* 13. *Economics* 14. *Social Sciences* 15. *Health Sciences* 16. *Environmental Sciences* 17. *Engineering* 18. *Technology* 19. *Mathematics* 20. *Physics* 21. *Chemistry* 22. *Biology* 23. *Medicine* 24. *Nursing* 25. *Pharmacy* 26. *Law* 27. *Business* 28. *Education* 29. *Public Administration* 30. *International Relations* 31. *Journalism* 32. *Communications* 33. *Media Studies* 34. *Cultural Studies* 35. *Gender Studies* 36. *Environmental Studies* 37. *Urban Studies* 38. *Transportation Studies* 39. *Energy Studies* 40. *Space Studies* 41. *Information Studies* 42. *Library Studies* 43. *Archival Studies* 44. *Museum Studies* 45. *Heritage Studies* 46. *Anthropology* 47. *Sociology* 48. *Political Science* 49. *Economics* 50. *Business Administration* 51. *Education* 52. *Health Sciences* 53. *Environmental Sciences* 54. *Engineering* 55. *Technology* 56. *Mathematics* 57. *Physics* 58. *Chemistry* 59. *Biology* 60. *Medicine* 61. *Nursing* 62. *Pharmacy* 63. *Law* 64. *Business* 65. *Education* 66. *Public Administration* 67. *International Relations* 68. *Journalism* 69. *Communications* 70. *Media Studies* 71. *Cultural Studies* 72. *Gender Studies* 73. *Environmental Studies* 74. *Urban Studies* 75. *Transportation Studies* 76. *Energy Studies* 77. *Space Studies* 78. *Information Studies* 79. *Library Studies* 80. *Archival Studies* 81. *Museum Studies* 82. *Heritage Studies* 83. *Anthropology* 84. *Sociology* 85. *Political Science* 86. *Economics* 87. *Business Administration* 88. *Education* 89. *Health Sciences* 90. *Environmental Sciences* 91. *Engineering* 92. *Technology* 93. *Mathematics* 94. *Physics* 95. *Chemistry* 96. *Biology* 97. *Medicine* 98. *Nursing* 99. *Pharmacy* 100. *Law* 101. *Business* 102. *Education* 103. *Public Administration* 104. *International 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*Economics* 198. *Business Administration* 199. *Education* 200. *Health Sciences* 201. *Environmental Sciences* 202. *Engineering* 203. *Technology* 204. *Mathematics* 205. *Physics* 206. *Chemistry* 207. *Biology* 208. *Medicine* 209. *Nursing* 210. *Pharmacy* 211. *Law* 212. *Business* 213. *Education* 214. *Public Administration* 215. *International Relations* 216. *Journalism* 217. *Communications* 218. *Media Studies* 219. *Cultural Studies* 220. *Gender Studies* 221. *Environmental Studies* 222. *Urban Studies* 223. *Transportation Studies* 224. *Energy Studies* 225. *Space Studies* 226. *Information Studies* 227. *Library Studies* 228. *Archival Studies* 229. *Museum Studies* 230. *Heritage Studies* 231. *Anthropology* 232. *Sociology* 233. *Political Science* 234. *Economics* 235. *Business Administration* 236. *Education* 237. *Health Sciences* 238. *Environmental Sciences* 239. *Engineering* 240. *Technology* 241. *Mathematics* 242. *Physics* 243. *Chemistry* 244. *Biology* 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Optimal  $\beta$  for various  $\alpha$  and  $\gamma$  values. The optimal  $\beta$  values are shown in the table below. The optimal  $\beta$  values are shown in the table below.

There is nothing very important about this, but it is a good idea to have a copy of the report on file in the office of the Director of the FBI. The report should be filed in the file of the person who was the subject of the investigation. The report should be filed in the file of the person who was the subject of the investigation. The report should be filed in the file of the person who was the subject of the investigation.

1. The first part of the report is a general statement of the purpose of the study and the scope of the work. It also includes a brief review of the literature on the subject.

Agricultural Science Curriculum  
Sample program for first year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Com- position	3	Rhet. 102(2)-Rhetoric and Com- position	3
Math. 112(2) or 111(3)-College Algebra <sup>1/</sup>	3 or 5	Math. 114(4)-Plane Trigonometry <sup>1/</sup>	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106(6)-Inorganic Chemistry	5
Hygiene 102(2) or 105(5)- Personal and Environmental Hygiene	2	Physical Education	1
Physical Education	1	Military Science (for men)	1
Military Science (for men)	1	Electives	3 to 6
Electives	<u>0 to 5</u>		<u>          </u>
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. . . . . 130

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117(10a)-127(10b) instead of the indicated mathematics courses.



# UNITED STATES DEPARTMENT OF AGRICULTURE OFFICE OF THE SECRETARY

UNITED STATES	DEPARTMENT OF AGRICULTURE	OFFICE OF THE	SECRETARY
<p>1. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>2. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>3. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p>	<p>4. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>5. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>6. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p>	<p>7. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>8. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>9. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p>	<p>10. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>11. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p> <p>12. The Secretary of Agriculture is authorized to receive and accept on behalf of the United States any donation or gift of land, buildings, or other real or personal property, the title to which may be vested in the United States, and to dispose of the same in such manner as he may deem proper for the public interest.</p>

Approved: \_\_\_\_\_

Secretary of Agriculture

Witness my hand and the seal of the Department of Agriculture at Washington, D.C., this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_

Assistant Secretary

## ACA390

1. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

2. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

3. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

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8. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

9. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

10. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

11. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

12. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

13. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

14. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.

15. The following is a list of the names of the persons who have been appointed to the various positions in the Division of Naval Medicine, Bureau of Naval Medicine, for the year 1914.



Agriculture and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for 3 or 4 years; then transfer to the College of Engineering for 1 or 2 years.
2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.
3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.
4. By the beginning of the third year, choose between the Machinery and Power option and the Construction and Drainage option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 20)

16 hours general University requirements Rhet., Hyg., Mil., and P.E.  
 35 hours agriculture courses (including 18 hours Agr. Eng.)  
 6 hours humanities  
 6 hours social science (including Econ. 108)  
 10 hours biological science (including Bot. 100)  
 35 hours physical science (Chem., Math., Physics, Geol.)  
 22 hours elective (G.E.D., T.A.M.)  
 130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows: (1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Construction and Drainage: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.

[illegible]

For the following 2 questions, 1 or 2 points

1. The following information is being furnished to you for your information only. It is not intended to be used for any other purpose. It is not to be distributed outside your organization.

1. The first part of the report is a general introduction to the subject of the study, which is the effect of the use of the word "and" on the comprehension of a sentence. The second part is a description of the method used in the study, which is a controlled experiment. The third part is a description of the results of the study, which are presented in a table. The fourth part is a discussion of the results, which is followed by a conclusion.

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## Agriculture and Agricultural Engineering Curricula--Continued

### (b) General Agriculture Curriculum: (See Page 7)

- 29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
- 21 hours agriculture electives (including Agr. Eng.)
- 35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
- 12 hours humanities and social studies
- 33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
- 130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Construction and Drainage: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.



101 General Information

102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300

## Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 20). Students following this program should ask to be assigned an advisor for the six-year program in Agriculture and Law.

### SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

#### A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	16

#### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 120, 130, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 142	2	35

#### C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	6





## SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	
		16
Law courses (to be taken in fourth year)	13	

## Group IV Courses

Zoology 104, or Botany 100	4	
Entomology 101	3	
		7

## Group V Courses

Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	
		16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	
		<u>6</u>

Total hours in three years. . . . .	102
Law courses to complete requirement for degree. . . . .	<u>28</u>
Total Required for Degree in Agriculture. . . . .	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 28 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

# THE UNIVERSITY OF CHICAGO

1	1	The first part of the book is devoted to a discussion of the history of the subject.
2	2	The second part of the book is devoted to a discussion of the history of the subject.
3	3	The third part of the book is devoted to a discussion of the history of the subject.
4	4	The fourth part of the book is devoted to a discussion of the history of the subject.
5	5	The fifth part of the book is devoted to a discussion of the history of the subject.
6	6	The sixth part of the book is devoted to a discussion of the history of the subject.
7	7	The seventh part of the book is devoted to a discussion of the history of the subject.
8	8	The eighth part of the book is devoted to a discussion of the history of the subject.

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**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufactures. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs the student about \$35.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Comp.	3	Rhet. 102(2)-Rhetoric and Comp.	3
Math. 111(3) or 112(2)-College Algebra	5 or 3	Math. 114(4)-Plane Trigonometry	2
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 105(5)-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100(D.P. 24a)-Introduction to Dairy Production	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
<b>Total</b>	<b>17-13</b>	<b>Total</b>	<b>15</b>

Second Year

Bact. 104(5a and 5b) Introductory Bacteriology	5	Da. Sci. 150(11)-General Dairy Bacteriology	2
Da. Tech. 101(1)-Introduction to Dairy Technology	3	Da. Sci. 151(12)-General Dairy Bacteriology	3
Da. Tech. 103(3)-Dairy Products Judging	1	Da. Tech. 104(4)-Dairy Products Judging	1
Econ. 108(2)-Elements of Economics	3	Chem. 122(22)-Elementary Quantitative Analysis	5
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	3	Electives	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

Third Year

Da. Tech. 303(11)-Cheese Mfr.	3	Da. Tech. 302(12)-Creamery Butter Manufacture	3
Chem. 133(33)-Elementary Organic Chemistry	5	Da. Tech. 304(13)-Market Milk	3
Physics 101(4a)-General Physics (Mechanics, Heat, and Sound)	5	Physics 102(4b)-General Physics (Light, Elec., and Magnetism)	5
Electives	3 to 5	Accy. 201(12)-Fundamentals of Accounting	3
		Electives	3
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>17</b>

Fourth Year

Da. Tech. 301(10)-Ice Cream Mfr.	3	Da. Tech. 306(14)-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18</b>

Total Required for Graduation ..... 130





### Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

#### Suggested Group I electives:

	<u>Hours</u>
Agr. Econ. 334(34)--Marketing Dairy Products (II)	3
Da. Sci. 350(10)--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380( 5)--Composition of Dairy Products (I)	3
Vet. Path. and Hygiene 105(5)--Animal Hygiene (I)	3
Da. Tech. 308(16)--Plant Management (II)	3
Da. Tech. 201(15)--Special Problems in Dairy Technology (I,II)	5
Home Econ. 120(38)--Elementary Nutrition (I,II)	2

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

#### Suggested Group II electives:

Speech 101( 1)--Principles of Effective Speaking (I,II)	3
Economics 240(41)--Labor Problems (I,II)	3
Economics 248(43)--Personnel Administration (I,II)	3
Economics 250( 3)--Money, Credit, and Banking (I,II)	3
Pol. Sci. 150(1a)--American Government: Organization and Powers (I,II)	3
Pol. Sci. 151(1b)--American Government: Functions (I,II)	3
Soc. 100( 1)--Principles of Sociology (I,II)	3
Psych. 100( 1)--Introduction to Psychology (I,II)	4
French 101 and 102(1a and 1b)--Elementary Course (I,II)	8
German 101 and 102(1a and 1b)--Elementary Course (I,II)	8

#### Suggested Open electives:

Rhet. 151(10)--Business Letter Writing (I,II)	2
Bus. Law 261( 2)--Summary of Business Law (I,II)	3
Marketing 101(B.O.O. 2)--Principles of Marketing (I,II)	3
Marketing 211(B.O.O. 3)--Principles of Retailing (I,II)	3
Marketing 271(B.O.O. 7)--Salesmanship (I,II)	2

Section 1. General Provisions

1.1. The purpose of this document is to establish the rules and regulations governing the conduct of the members of the organization.

Section 2. Membership	
2.1. Any person who is of legal age and of sound mind may become a member of the organization.	
2.2. The application for membership shall be submitted to the Secretary of the organization.	
2.3. The application shall be accompanied by a recommendation from two existing members.	
2.4. The application shall be subject to the approval of the Executive Committee.	
2.5. The fee for membership shall be as determined by the Executive Committee.	
2.6. The membership shall be for a period of one year.	
2.7. The membership shall be renewable.	

2.8. The members shall be entitled to attend the meetings of the organization and to vote in the election of the officers.

Section 3. Meetings	
3.1. The regular meetings of the organization shall be held at such times and places as may be determined by the Executive Committee.	
3.2. The meetings shall be open to all members of the organization.	
3.3. The agenda for each meeting shall be determined by the Executive Committee.	
3.4. The minutes of each meeting shall be recorded and shall be subject to the approval of the Executive Committee.	
3.5. The members shall be entitled to speak at the meetings of the organization.	
3.6. The members shall be entitled to propose resolutions at the meetings of the organization.	
3.7. The resolutions shall be subject to the approval of the Executive Committee.	

Section 4. Officers and Employees	
4.1. The officers of the organization shall be elected by the members at the annual meeting.	
4.2. The officers shall be elected for a term of one year.	
4.3. The officers shall be subject to re-election.	
4.4. The officers shall be entitled to receive such compensation as may be determined by the Executive Committee.	
4.5. The employees of the organization shall be appointed by the Executive Committee.	
4.6. The employees shall be subject to the supervision of the Executive Committee.	
4.7. The employees shall be entitled to receive such compensation as may be determined by the Executive Committee.	









**Floriculture Curriculum**  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. In addition to prescribed courses a minimum of 4 hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, sociology, or speech. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

First Semester	Hours	Second Semester	Hours
Chem. 101(1) or 102(2)-General Chemistry	5 or 3	Chem. 132(32)-Elementary Organic Chemistry	3
Hort. 121(5)-Plant Propagation	3	Rhet. 102(2)-Rhetoric & Composition	3
Rhet. 101(1)-Rhetoric & Composition	3	Entom. 101(1a) and 102(1b)-Destructive and Useful Insects	5
Botany 100 - General Botany	4	Physical Education	1
Hygiene 101-Health Lectures	2	Military Science (for men)	1
Physical Education	1	Electives	3 to 5
Military Science (for men)	1		
<b>Total</b>	<b>17 or 19</b>	<b>Total</b>	<b>16 to 18</b>

Second Year

Accy. 101(1a)-Prin. of Accounting	3	Accy. 105(1b)-Accounting Procedure	3
Bot. 130(3)-Plant Physiology	5	Agron. 201(2)-Soils	5
Econ. 108(2)-Elements of Econ.	3	Bot. 160(6)-Introductory Systematic Botany	3
Geol. 105(44)-Agricultural Geology	3	Hort. 122(15a)-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	0 to 2	Electives	0 to 2
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>16 to 18</b>

Third Year

Botany 317(7)-Plant Pathology	3	Hort. 224(15c)-Commercial Floricultural Crops	3
Hort. 223(15b)-Commercial Floricultural Crops	3	Hort. 230(31)-Garden Flowers	3
Hort. 321(43)-Floricultural Physiology	3	Hort. 322(45)-Plant Nutrition	3
Land. Arch. 251(51)-Trees and Shrubs	3	Land. Arch. 252(52)-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
<b>Total</b>	<b>15 to 18</b>	<b>Total</b>	<b>15 to 18</b>





Fourth Year

First Semester	Hours	Second Semester	Hours
Hort. 231(32a)-Floral Decoration	3	Hort. 226(30)-Tender Bedding	
Electives	12 to 15	Plants	3
		Hort. 232(32b)-Floral Decoration	3
		Land.Arch. 164(64)-Apprec. of	
		Landscape Architecture	3
		Electives	6 to 9
Total	<u>15 to 18</u>	Total	<u>15 to 18</u>

Total Required for Graduation . . . . . 130

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	Hours
Agron. 323(22)-Improvement of Farm Crops by Breeding (I,II)	3
Bot. 322(46)-Genetics (I)	4
Bus. Law 261(2)-Summary of Business Law (I,II)	3
Entom. 319(20)-Insect Control (I)	4
Hort. 204(7)-Spraying (II)	3
Hort. 345-Growth and Development of Vegetable Crops (I)	4
Hort. 382(12)-Improvement of Horticultural Crops by Breeding (II)	3
Marketing 101(B.O.O. 2)-Principles of Marketing (I,II)	3
Marketing 271(B.O.O. 7)-Salesmanship (I,II)	2
Marketing 281(B.O.O. 8)-Introduction to Advertising (I,II)	3
Rhet. 151(10)-Business Letter Writing (I,II)	2





UNIVERSITY OF ILLINOIS  
College of Agriculture--Office of Associate Dean

32.

Name	Curriculum in FLORICULTURE				Date
	CREDIT	GRADE		CREDIT	GRADE
Prescribed Courses			Group 2		SUMMARY
			Minimum 4 hours selected		Group 2
Accy.(1a) 101	3		from: Engl., For. Lang.,		Earned _____
Accy.(1b) 105	3		Geog., Hist., L. Arch.,		To be earned _____
Agron.(2) 201	5		Philos., Pol.Sci., Psych.,		
			Rhet., Sociol., Speech		
Bot. 100	4				
Bot.(3) 130	5				
Bot.(6) 160	3				
Bot.(7) 317	3				
Chem. (1 or 2)					
101 or 102	5-3		Open Electives		TOTAL HOURS*
Chem. (32) 132	3				Earned _____
Econ.(2) 108	3				
Entom. (1a and 1b)	3-2				
101 and 102					
Geol.(44) 105	3				
Hort.(5) 121	3				
Hort.(15a) 122	3				
Hort.(15b) 223	3				
Hort.(15c) 224	3				
Hort.(30) 226	3				
Hort.(31) 230	3				
Hort.(32a) 231	3				
Hort.(32b) 232	3				
Hort.(43) 321	3				
Hort.(45) 322	3				
L. Arch.(64) 164	3				
L. Arch.(51) 251	3				
L. Arch.(52) 252	3				
Rhet.(1) 101	3				
Rhet.(2) 102	3				
Hyg.	2				
Mil.					
Mil.					
Mil.					
Mil.					
P. Ed.					D grades*
P. Ed.					Earned _____

\* 130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above. For students who entered the University prior to October 1, 1947, not more than 1/4 of the hours counted toward graduation may be of D grade. For students entering after October 1, 1947, a minimum average of 3.0 is required for graduation.



Food Technology Curriculum  
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is \$35.

First Year

First Semester	Hours	Second Semester	Hours
Math. 117-Combined Freshman Mathematics <sup>1/</sup>	5	Math. 127-Combined Freshman Mathematics <sup>1/</sup>	4
D.G.S. 111-Verbal Communication	4	D.G.S. 112-Verbal Communication	4
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 102 or 105-Personal and Environmental Hygiene	2	Botany 100-General Botany	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	14 or 16	Total	17

Second Year

Math. 137-Calculus <sup>2/</sup>	3	Math. 147-Calculus <sup>2/</sup>	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-General Physics (Elec., Magnetism, Light, and Modern Physics)	5
Chem. 122-Elementary Quantitative Analysis	5	Chem. 133-Elementary Organic Chemistry	5
Zool. 104-Zoology-Botany Sequence	4	Elective	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	17	Total	16

Third Year

F.T. 201-Elements of Food Technology	3	F.T. 202-Elements of Food Technology	3
F.T. 269-Raw Materials for Processing	3	F.T. 270-Raw Materials for Processing	3
Bact. 104 and 105-Introductory Bacteriology	5	Bact. 308-Food and Applied Bacteriology	5
Chem. 247-Elementary Physical Chemistry <sup>3/</sup>	4	Chem. 249-Chemistry of Colloids <sup>3/</sup>	3
Electives	2	Electives	3
Total	17	Total	17





Fourth Year

First Semester	Hours	Second Semester	Hours
F.T. 301-Food Processing	4	F.T. 302-Food Processing	4
F.T. 363-Unit Operations in Food Technology	3	F.T. 332-Principles of Sanitation in the Processing and Handling of Foods	4
Chem. 350-Biochemistry	5	Chem. 329-Food Analysis	5
Electives	4	F.T. 206-Inspection Trip	0
		Electives	3
Total	<u>16</u>	Total	<u>16</u>

Total required for graduation (exclusive of physical education and military science) . . . . .130

A minimum average of 3.0 in all specified courses is required for graduation.

- 1/ The student lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.
- 2/ The student who follows the algebra, trigonometry, analytic geometry sequence will take Math. 132-Calculus and Math. 142-Calculus.
- 3/ Students adequately qualified may substitute Chem. 240 and Chem. 342-Elementary Physical Chemistry for Chem. 247 and Chem. 249.

Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.





CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PREScribed COURSES:	credit	grade	HUMANITIES AND SOCIAL STUDIES--	
Bact. 104 & 105	3 & 2		Minimum of 15 semester hours from:	
Bact. 308	5		Art, economics, English, foreign	
Botany 100	4		language, geography, history,	
Chem. 101 or 102	5 or 3		journalism, landscape architecture,	
Chem. 105	5		law, music, philosophy, political	Earned:
Chem. 122	5		science, psychology, sociology,	
Chem. 133	5		and speech.	
Chem. 247 $\frac{1}{2}$	4			
Chem. 249 $\frac{1}{2}$	3			
Chem. 329	5			
Chem. 350	5			To be earned:
D. G. S. 111	4			
D. G. S. 112	4			
F. T. 201	3			
F. T. 202	3			
F. T. 206	0		OPEN ELECTIVES:	
F. T. 269	3			
F. T. 270	3			
F. T. 301	4			TOTAL HOURS
F. T. 302	4			
F. T. 332	4			
F. T. 363	3			
Mathematics 117 $\frac{2}{2}$	5			
Mathematics 127	4			
Mathematics 137	3			
Mathematics 147	3			
Physics 103	5			
Physics 104	5			
Zoology 104	4			
Hygiene	2			
Military	1-1			
Military	1-1			
P. E.	1-1			
P. E.	1-1			

1/ Students adequately qualified may substitute Chem. 240 and Chem. 342, Elementary Physical Chemistry, for Chem. 247 and Chem. 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree. For students entering the University after Oct. 1, 1947, a minimum average of 3.0 is required for graduation.



**Restaurant Management Curriculum**  
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for students, both men and women, in the College of Agriculture and Home Economics who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101(1)-Rhetoric and Composition	3	Rhet. 102(2)-Rhetoric and Composition	3
Physiol. 103(1c)-Intro. to Human Physiology	4	Psych. 103(1c)-Human Behavior	4
Chem. 101(1) or 102(2)-General Chemistry; or Electives <sup>1/</sup>	5 or 3	Speech 101(1)-Principles of Effective Speaking	3
Hygiene 101-Health Lectures	2	Chem. 101(1) or 102(2)-General Chemistry; or Electives <sup>1/</sup>	5 or 3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Total	16 or 14	Total	17 or 15

Second Year

Chem. 132(32)-Elementary Organic Chemistry	3	Bact. 104(5a and 5b)-Introductory Bacteriology	5
Soc. 100(1)-Principles of Sociology	3	Econ. 108(2)-Elements of Economics	3
English Literature	3	English Literature	3
Home Econ. 130(4)-Introduction to Foods and Nutrition	2	Rhet. 151(10)-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Electives	2 to 4	Electives	0 to 3
Total	15 to 17	Total	15 to 18

<sup>1/</sup> Students taking Chem. 101(1) or 102(2) the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101(1) or 102(2) the second semester.





Third Year

First Semester	Hours	Second Semester	Hours
Bus. Law 261(2)-Summary of Business Law	3	Mktg. 101(B.O.O. 2)-Principles of Marketing	3
Econ. 240(41)-Labor Problems	3	Econ. 248(43)-Personnel Administration	3
Home Econ. 131(58)-Foods	3	Home Econ. 220(5)-Dietetics	3
An. Sci. 104(36)-Selection and Use of Meats	2	Home Econ. 240(46)-Quantity Cookery	5
Accy. 101(1a)-Principles of Accounting; or Accy. 201(12)-Fundamentals of Accounting <sup>2/</sup>	3	Accy. 105(1b)-Accounting Procedure <sup>2/</sup> ; or Electives	3
Electives	2 to 3		
Total	<u>16 to 17</u>	Total	<u>17</u>

Fourth Year

Home Econ. 345(47)-Institution Management	3	Home Econ. 253-Restaurant Interior	3
Home Econ. 350(48)-Institution Dietaries and Administration	4	Home Econ. 375-Advanced Quantity Cookery and Catering	3
Accy. 265-Hotel Accounting	3	Mgmt. 204(B.O.O. 24)-Industrial Purchasing	3
Electives	6 to 8	Electives	6 to 9
Total	<u>16 to 18</u>	Total	<u>15 to 18</u>

Total required for graduation . . . . . 130

NOTE: Two summers, of a minimum of eight weeks each, of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

<sup>2/</sup> Students who elect Accy. 101(1a) must also take Accy. 105(1b).

### Table 1

Year	Number of cases	Percentage of total	Year	Number of cases	Percentage of total
1950	12	1.2	1955	15	1.5
1951	15	1.5	1956	18	1.8
1952	18	1.8	1957	20	2.0
1953	20	2.0	1958	22	2.2
1954	22	2.2	1959	25	2.5
1960	25	2.5	1960	28	2.8
1961	28	2.8	1961	30	3.0
1962	30	3.0	1962	32	3.2
1963	32	3.2	1963	35	3.5
1964	35	3.5	1964	38	3.8
1965	38	3.8	1965	40	4.0
1966	40	4.0	1966	42	4.2
1967	42	4.2	1967	45	4.5
1968	45	4.5	1968	48	4.8
1969	48	4.8	1969	50	5.0
1970	50	5.0	1970	52	5.2
1971	52	5.2	1971	55	5.5
1972	55	5.5	1972	58	5.8
1973	58	5.8	1973	60	6.0
1974	60	6.0	1974	62	6.2
1975	62	6.2	1975	65	6.5
1976	65	6.5	1976	68	6.8
1977	68	6.8	1977	70	7.0
1978	70	7.0	1978	72	7.2
1979	72	7.2	1979	75	7.5
1980	75	7.5	1980	78	7.8
1981	78	7.8	1981	80	8.0
1982	80	8.0	1982	82	8.2
1983	82	8.2	1983	85	8.5
1984	85	8.5	1984	88	8.8
1985	88	8.8	1985	90	9.0
1986	90	9.0	1986	92	9.2
1987	92	9.2	1987	95	9.5
1988	95	9.5	1988	98	9.8
1989	98	9.8	1989	100	10.0
1990	100	10.0	1990	102	10.2
1991	102	10.2	1991	105	10.5
1992	105	10.5	1992	108	10.8
1993	108	10.8	1993	110	11.0
1994	110	11.0	1994	112	11.2
1995	112	11.2	1995	115	11.5
1996	115	11.5	1996	118	11.8
1997	118	11.8	1997	120	12.0
1998	120	12.0	1998	122	12.2
1999	122	12.2	1999	125	12.5
2000	125	12.5	2000	128	12.8
2001	128	12.8	2001	130	13.0
2002	130	13.0	2002	132	13.2
2003	132	13.2	2003	135	13.5
2004	135	13.5	2004	138	13.8
2005	138	13.8	2005	140	14.0
2006	140	14.0	2006	142	14.2
2007	142	14.2	2007	145	14.5
2008	145	14.5	2008	148	14.8
2009	148	14.8	2009	150	15.0
2010	150	15.0	2010	152	15.2
2011	152	15.2	2011	155	15.5
2012	155	15.5	2012	158	15.8
2013	158	15.8	2013	160	16.0
2014	160	16.0	2014	162	16.2
2015	162	16.2	2015	165	16.5
2016	165	16.5	2016	168	16.8
2017	168	16.8	2017	170	17.0
2018	170	17.0	2018	172	17.2
2019	172	17.2	2019	175	17.5
2020	175	17.5	2020	178	17.8
2021	178	17.8	2021	180	18.0
2022	180	18.0	2022	182	18.2
2023	182	18.2	2023	185	18.5
2024	185	18.5	2024	188	18.8
2025	188	18.8	2025	190	19.0
2026	190	19.0	2026	192	19.2
2027	192	19.2	2027	195	19.5
2028	195	19.5	2028	198	19.8
2029	198	19.8	2029	200	20.0
2030	200	20.0	2030	202	20.2
2031	202	20.2	2031	205	20.5
2032	205	20.5	2032	208	20.8
2033	208	20.8	2033	210	21.0
2034	210	21.0	2034	212	21.2
2035	212	21.2	2035	215	21.5
2036	215	21.5	2036	218	21.8
2037	218	21.8	2037	220	22.0
2038	220	22.0	2038	222	22.2
2039	222	22.2	2039	225	22.5
2040	225	22.5	2040	228	22.8
2041	228	22.8	2041	230	23.0
2042	230	23.0	2042	232	23.2
2043	232	23.2	2043	235	23.5
2044	235	23.5	2044	238	23.8
2045	238	23.8	2045	240	24.0
2046	240	24.0	2046	242	24.2
2047	242	24.2	2047	245	24.5
2048	245	24.5	2048	248	24.8
2049	248	24.8	2049	250	25.0
2050	250	25.0	2050	252	25.2
2051	252	25.2	2051	255	25.5
2052	255	25.5	2052	258	25.8
2053	258	25.8	2053	260	26.0
2054	260	26.0	2054	262	26.2
2055	262	26.2	2055	265	26.5
2056	265	26.5	2056	268	26.8
2057	268	26.8	2057	270	27.0
2058	270	27.0	2058	272	27.2
2059	272	27.2	2059	275	27.5
2060	275	27.5	2060	278	27.8
2061	278	27.8	2061	280	28.0
2062	280	28.0	2062	282	28.2
2063	282	28.2	2063	285	28.5
2064	285	28.5	2064	288	28.8
2065	288	28.8	2065	290	29.0
2066	290	29.0	2066	292	29.2
2067	292	29.2	2067	295	29.5
2068	295	29.5	2068	298	29.8
2069	298	29.8	2069	300	30.0
2070	300	30.0	2070	302	30.2
2071	302	30.2	2071	305	30.5
2072	305	30.5	2072	308	30.8
2073	308	30.8	2073	310	31.0
2074	310	31.0	2074	312	31.2
2075	312	31.2	2075	315	31.5
2076	315	31.5	2076	318	31.8
2077	318	31.8	2077	320	32.0
2078	320	32.0	2078	322	32.2
2079	322	32.2	2079	325	32.5
2080	325	32.5	2080	328	32.8
2081	328	32.8	2081	330	33.0
2082	330	33.0	2082	332	33.2
2083	332	33.2	2083	335	33.5
2084	335	33.5	2084	338	33.8
2085	338	33.8	2085	340	34.0
2086	340	34.0	2086	342	34.2
2087	342	34.2	2087	345	34.5
2088	345	34.5	2088	348	34.8
2089	348	34.8	2089	350	35.0
2090	350	35.0	2090	352	35.2
2091	352	35.2	2091	355	35.5
2092	355	35.5	2092	358	35.8
2093	358	35.8	2093	360	36.0
2094	360	36.0	2094	362	36.2
2095	362	36.2	2095	365	36.5
2096	365	36.5	2096	368	36.8
2097	368	36.8	2097	370	37.0
2098	370	37.0	2098	372	37.2
2099	372	37.2	2099	375	37.5
2100	375	37.5	2100	378	37.8
2101	378	37.8	2101	380	38.0
2102	380	38.0	2102	382	38.2
2103	382	38.2	2103	385	38.5
2104	385	38.5	2104	388	38.8
2105	388	38.8	2105	390	39.0
2106	390	39.0	2106	392	39.2
2107	392	39.2	2107	395	39.5
2108	395	39.5	2108	398	39.8
2109	398	39.8	2109	400	40.0
2110	400	40.0	2110	402	40.2
2111	402	40.2	2111	405	40.5
2112	405	40.5	2112	408	40.8
2113	408	40.8	2113	410	41.0
2114	410	41.0	2114	412	41.2
2115	412	41.2	2115	415	41.5
2116	415	41.5	2116	418	41.8
2117	418	41.8	2117	420	42.0
2118	420	42.0	2118	422	42.2
2119	422	42.2	2119	425	42.5
2120	425	42.5	2120	428	42.8
2121	428	42.8	2121	430	43.0
2122	430	43.0	2122	432	43.2
2123	432	43.2	2123	435	43.5
2124	435	43.5	2124	438	43.8
2125	438	43.8	2125	440	44.0
2126	440	44.0	2126	442	44.2
2127	442	44.2	2127	445	44.5
2128	445	44.5	2128	448	44.8
2129	448	44.8	2129	450	45.0
2130	450	45.0	2130	452	45.2
2131	452	45.2	2131	455	45.5
2132	455	45.5	2132	458	45.8
2133	458	45.8	2133	460	46.0
2134	460	46.0	2134	462	46.2
2135	462	46.2	2135	465	46.5
2136	465	46.5	2136	468	46.8
2137	468	46.8	2137	470	47.0
2138	470	47.0	2138	472	47.2
2139	472	47.2	2139	475	47.5
2140	475	47.5	2140	478	47.8
2141	478	47.8	2141	480	48.0
2142	480	48.0	2142	482	48.2
2143	482	48.2	2143	485	48.5
2144	485	48.5	2144	488	48.8
2145	488	48.8	2145	490	49.0
2146	490	49.0	2146	492	49.2
2147	492	49.2	2147	495	49.5
2148	495	49.5	2148	498	49.8
2149	498	49.8	2149	500	50.0
2150	500	50.0	2150	502	50.2
2151	502	50.2	2151	505	50.5
2152	505	50.5	2152	508	50.8
2153	508	50.8	2153	510	51.0
2154	510	51.0	2154	512	51.2
2155	512	51.2	2155	515	51.5
2156	515	51.5	2156	518	51.8
2157	518	51.8	2157	520	52.0
2158	520	52.0	2158	522	52.2
2159	522	52.2	2159	525	52.5
2160	525	52.5	2160	528	52.8
2161	528	52.8	2161	530	53.0
2162	530	53.0	2162	532	53.2
2163	532	53.2	2163	535	53.5
2164	535	53.5	2164	538	53.8
2165	538	53.8	2165	540	54.0
2166	540	54.0	2166	542	54.2
2167	542	54.2	2167	545	54.5
2168					



COLLEGE OF AGRICULTURE  
Office of Associate Dean  
CURRICULUM IN RESTAURANT MANAGEMENT--for the Degree, Bachelor of Science in  
Restaurant Management

Name \_\_\_\_\_  
Date \_\_\_\_\_

PREScribed COURSES:	Credit	Grade	Open Electives:	Credit	Grade
Accountancy 101 & 105 (1a & 1b), or 201 (12)	6-3				
Accountancy 265	3				
Animal Science 104 (36)	2				
Bact. 104 & 105 (5a & 5b)	3/2				
Business Law 261 (2)	3				
Chem. 101 or 102 (1 or 2)	5 or 3				
Chem. 132 (32)	3				
Economics 108 (2)	3				
Economics 240 (41)	3				
Economics 248 (43)	3				
English Literature	3				
English Literature	3				
Home Economics 130 (4)	2				
Home Economics 131 (58)	3				
Home Economics 220 (5)	3				
Home Economics 240 (46)	5				
Home Economics 253	3				
Home Economics 345 (47)	3				
Home Economics 350 (48)	4				
Home Economics 355	3				
Management 204 (B.O.O. 24)	3				
Marketing 101 (B.O.O. 2)	3				
Physiology 103 (1c)	4				
Psychology 103 (1c)	4				
Rhetoric 101 (1)	3				
Rhetoric 102 (2)	3				
Rhetoric 151 (10)	2				
Sociology 100 (1)	3				
Speech 101 (1)	3				
Hygiene	2				
Military (for men)	1-1				
Military	1-1				
P. E.	1-1				
P. E.	1-1				
			TOTAL HOURS <u>1</u>		
			NOTE: Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Economics 355. This experience would normally come at the end of the second and third years.		

1/ 130 hours, inclusive of regular military and P.E., are required for graduation. For students entering the University after October 1, 1947, a minimum average of 3.0 is required for graduation.



## Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military science and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

### First Year

First Semester	Hours	Second Semester	Hours
Rhet. 101--Rhetoric and Composition . . . . .	3	Rhet. 102--Rhetoric and Composition . . . . .	3
Botany 100--General Botany. . .	4	Math. 114--Plane Trigonometry . . .	2
Hygiene 101--Health Lectures. .	2	Chem. 101 or 102--General Chemistry . . . . .	5 or 3
Math. 111 or 112--Algebra . . .	5 or 3	G. E. D. 101--Elements of Drawing . . . . .	4
Forestry 101--General Forestry. .	3	Zoology 104 . . . . .	4
Physical Education. . . . .	1	Physical Education. . . . .	1
Military Science (for men). . .	1	Military Science (for men). . .	1
Total. . . . .	17 or 19	Total. . . . .	18 or 20

### Second Year

Geology 105--Agricultural Geology . . .	3	Agronomy 201--Soils . . . . .	5
Econ. 108--Elements of Economics . . .	3	Physical Education. . . . .	1
C. E. 115--General Surveying. . .	3	Military Science (for men). . .	1
Physical Education. . . . .	1	Electives . . . . .	11
Military Science (for men). . .	1		
Electives . . . . .	5 or 7		
Total. . . . .	16 or 18	Total. . . . .	18

### Electives

Chem. 132--Elementary Organic Chemistry. . . . .	3
Bot. 130--Plant Physiology . . . . .	5
Bot. 160--Introductory Systematic Botany . . . . .	3
Geog. 111--Introduction to Meteorology . . . . .	3
Physics 101--General Physics (Mechanics, Sound, and Heat). . . . .	5
Physics 102--General Physics (Light, Electricity, and Magnetism) . . . . .	5
Pol. Sci. 150--American Government . . . . .	3
Speech 101--Principles of Effective Speaking . . . . .	3











# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

Robert R. Hudelson, Associate Dean  
C. D. Smith, Assistant Dean

University of Illinois College of Agriculture  
Urbana, Illinois

1952-53

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Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_, \_\_\_\_\_  
(Number and Street) (Champaign or Urbana)

Home Address: \_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Office Hours: \_\_\_\_\_





## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

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<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944





Table 1, entitled "Job Distribution of Agricultural Graduates, 1930, 1940, and 1950," shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held by graduates in the years indicated. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted semester programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Staff and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 152 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.





Table 1. Job Distribution of Agricultural Graduates in 1930, 1940, and 1950

Occupational Groups	1930		1940		1950	
	No.	%	No.	%	No.	%
<b>EDUCATIONAL</b>						
Coaches	9	.4	5	.3	4	.2
College Teachers	163	7.8	131	7.8	143	5.9
College Administrators	6	.3	9	.5	9	.4
County Agents and Assistants	108	5.0	97	5.8	141	5.8
Extension Specialists and Administrators	35	1.2	54	3.3	31	1.3
High School Teachers	278	13.3	291	17.2	420	17.3
<b>PROFESSIONAL TECHNICIANS</b>						
Agronomists	29	1.4	76	4.5	38	1.6
Animal Husbandmen					14	.6
Bacteriologists	1	0	6	.4	4	.2
Chemists	24	1.2	16	1.0	19	.8
Dairy Husbandmen					6	.2
Economists and Statisticians	14	.7	24	1.4	44	1.8
Engineers	33	1.6	24	1.4	22	.9
Entomologists and Zoologists	13	.6	10	.6	7	.3
(Farm Security Administration			49	2.9	23	.9
(Federal Housing Administration						
Horticulturists	14	.7	5	.3	11	.5
Inspectors	12	.6	19	1.1	18	.7
<b>BUSINESS MANAGERS AND EMPLOYEES</b>						
Business Managers (total)	138	6.7	147	8.7	254	10.4
Dairy Manufacturers					(63)	(2.6)
Fertilizers					(4)	(.2)
Fruit and Vegetables					(3)	(.1)
Grain, Seed, Feed					(40)	(1.6)
Hatcheries					(9)	(.4)
Implements					(23)	(.9)
Livestock Marketing					(9)	(.4)
Meat Packing					(5)	(.2)
Miscellaneous Business Managers					(81)	(3.3)
Produce					(7)	(.3)
Service Companies (oil products)					(10)	(.4)
Business Officers					7	.3
Buyers					23	1.0
Retail Managers					3	.1
Salesmen and Sales Managers					135	5.6
<b>INSURANCE, BANKING, LOAN, REAL ESTATE</b>						
Appraisers	10	.5	16	1.0	15	.6
Banking and Loans	48	2.3	36	2.1	49	2.0
Insurance and Real Estate	56	2.7	45	2.7	54	2.2





Occupational Groups	1930		1940		1950	
	No.	%	No.	%	No.	%
<b>FARMERS AND FARM MANAGERS</b>						
Total Owners, Tenants, and Partners	517	24.9	288	17.2	588	24.3
Farm Managers					(116)	(4.8)
Owner-Operators					(136)	(5.6)
Partners					(141)	(5.8)
Tenants					(195)	(8.0)
<b>FARM HANDS</b>						
			3	.2	8	.3
<b>OTHERS</b>						
Army, Navy, Air Force	6	.3	8	.5	25	1.0
Artists and Musicians	8	.4	0	0	0	0
Doctors and Dentists	14	.7	9	.5	11	.5
Florists, Landscape Architects, Nurserymen	157	7.5	36	2.1	81	3.3
Journalists and Advertising	51	2.4	32	1.9	30	1.2
Laborers	2	.1	5	.3	0	0
Lawyers	10	.5	5	.3	11	.5
Ministers	9	.4	6	.4	9	.4
Public Officials	19	.9	9	.5	30	1.2
Retired	2	.1	1	.1	25	1.0
Skilled Tradesmen	3	.1	5	.3	0	0
Students	26	1.0	19	1.1	49	2.0
Unemployed	24	1.1	4	.2	0	0
Veterinarians					5	.2
<b>GENERAL MISCELLANEOUS</b>					55	2.3

1/ Number shown is the number of graduates who replied to questionnaire.





### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 and 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training

## General instructions to the student

The student is to prepare a report on the results of the experiment. The report is to be written in English and should be handed in to the teacher at the end of the experiment.

The report should contain the following parts:

1. Title page
2. Introduction
3. Theory
4. Experimental setup
5. Results
6. Discussion
7. Conclusion

The student is to prepare a report on the results of the experiment. The report is to be written in English and should be handed in to the teacher at the end of the experiment.

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but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

#### Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.





**General Agriculture Curriculum**  
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group 1 consists of all prescribed courses in agriculture except Agronomy 201 (Soils). A minimum of 130 semester hours is required for graduation.

<u>FIRST YEAR</u>			
<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bot. 100	4	Chem. 102 or 101	3 or 5
Hygiene 101	2	Rhet. 102	3
Rhet. 101	3	Zool. 104	4
Mil. & P. E.	2	Mil. & P. E.	2
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	17	Total	15 to 18

<u>SECOND YEAR</u>			
Chem. 132 <sup>1/</sup>	3	Econ. 108	3
Geol. 105	3	Mil. & P. E.	2
Mil. & P. E.	2	Two courses from Group 1	6
Three courses from Group 1	9	Electives	5-6
Total	17	Total	16-17

THIRD AND FOURTH YEARS

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses including those prescribed. The student must also earn a minimum of 12 semester hours of credit in the humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group 1.--Agricultural courses required of all students in the general agriculture curriculum. All students should complete this list before the junior year or as soon thereafter as possible.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100 <sup>2/</sup> --Introductory Agr. Economics	3
Agr. Eng. 101--Introduction to Agr. Engineering	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Horticulture elective	3
TOTAL. . . . .	25

Group 2.--Humanities and Social Studies. Minimum of 12 semester hours taken from the following fields: art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

- 1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 133 instead of Chem. 132.
- 2/ Students entering as juniors or seniors should substitute Agr. Econ. 220 or Agr. Econ. 230 for Agr. Econ. 100.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as: agricultural marketing, animal and poultry science, dairy production, farm management, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	credit	grade		credit	grade	
Agr. Econ. 100	3					Earned:
Agr. Eng. 101	3					To be earned:
Agronomy 121	4					
Agronomy 201	5					
An. Sci. 101	3					
An. Sci. 102	3					A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Da. Sci. 100	3					
Hort. 100	3					
Forestry 101 or 102 or Hort. elective	3					
Total Hours	30					
NON-AGRICULTURE PRESCRIBED:			HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., Eng., for. lang., geog., hist., journ., land. arch., law, music, phil., pol. sci., psych., religion, soc., and speech.			
				credit	grade	
Botany 100	4					Earned:
Chemistry 101 or 102	5-3					To be earned:
Chemistry 132	3					
Economics 108	3					
Geology 105	3					
Hygiene	2					
Rhetoric 101	3		OPEN ELECTIVES:			
Rhetoric 102	3					
Zoology 104	4					TOTAL HOURS
Military	1					
Military	1					
Military	1					
Military	1					
P.E.	1					
P.E.	1					
P.E.	1					
P.E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.



# SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

## Agricultural Courses:

## Hours

Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

## Other Courses:

English or American Literature	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio, advertising, sales, public relations, college editorial work and other fields requiring training both in agriculture and journalism. Non-major students may find the writing practice in Agriculture 114 useful in preparation of reports for other courses and in a professional field where some writing or preparation of reports is required.

### Agricultural Courses:

### Hours

Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Other agriculture courses chosen in line with the student's field of interest.	

### Journalism Courses:

Journalism 204--Typography (I, II)	2
Journalism 211 or 212--Reporting or Reporting Practice (I, II)	3
Journalism 223--Press Photography (I, II)	3
Journalism 227--Magazine Article Writing (I, II)	3
Journalism 263--Radio Announcing (I, II)	2
Journalism 281--Introduction to Advertising (I, II)	3
Journalism 321--Copyreading (I, II)	4
Journalism 382--Advertising Copy and Layout (I, II)	4

### Other Courses:

Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Psychology 150--Personality and Social Behavior (I, II)	3
Psychology 255--Social Psychology (I, II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

The following is a summary of the results of the study conducted by the American Medical Association and the National Bureau of Health Statistics, which was published in the Journal of the American Medical Association, May 1, 1936, Vol. 52, No. 18.

1936

AMERICAN MEDICAL ASSOCIATION

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## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and co-operative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

### Agricultural Courses:

### Hours

Animal Science 103--Breeds and Market Classes of Livestock (I)	5
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light and Heavy Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (I, II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

### Other Courses:

Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:Hours

Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (II) or Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Speech 101--Principles of Effective Speaking (I, II)	3

CONFIDENTIAL - SECURITY INFORMATION

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## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Business English 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

Agricultural Courses:Hours

Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Destructive and Useful Insects (I, II) or	3
Entomology 103--Life of Insects (II)	4





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:Hours

Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment, and Management of Farm Machinery (summers only)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H, and other rural youth work, rural pastorships<sup>1/</sup>, rural social welfare work, rural recreation, rural library work, foreign service<sup>2/</sup>, etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Agricultural Courses:Hours

Agr. Economics 177--Farmers' and Rural Organizations (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II) or Home Economics 377--Home Economics Extension (II)	3

Other Courses:

Anthropology 107--Introduction to Anthropology (I, II)	3
Economics 216--State and Local Taxation in Illinois (I)	3
**Political Science 310--Rural Local Government (I or II)	3
**Psychology 100--Introduction to Psychology (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Recreation 270--Social Recreation Activities (I, II)	2
**Sociology 100--Principles of Sociology (I, II)	3
Sociology 320--Social Roles (I or II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

- 1/ Pre-theological majors are advised to include among their electives the courses marked \*\*; at least two courses from English 101, 102, 121, or 122; at least one course from History 111, 112, 352, or 361; and Philosophy 101 or 102. If you plan to enter a particular seminary, check as to courses required for admission.
- 2/ A student who is preparing for foreign service may wish to take Agr. Economics 211, Agricultural Economics of Latin American Countries, or Anthropology 361, Ethnology of Middle America, or a similar course related to the country in which he expects to work.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 204--Spraying (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	3
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	3
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 343--Structure and Classification of Vegetable Crop Plants (II, alternate years)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5





General Agriculture Curriculum With Major in Teacher Training  
(for the degree, Bachelor of Science in Agriculture)

<u>First Year</u>			
<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bot. 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Hygiene 101 or 104	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group 1	6	One course from Group 1	3 or 4
Total	<u>17</u>	Total	<u>15 to 18</u>
<u>Second Year</u>			
Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group 1	6	Two courses from Group 1	6
Total	<u>16</u>	Total	<u>17</u>
<u>Third Year</u>			
Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
Agricultural Electives	3 to 6	Hist. 152-History of U. S.	3
Total	<u>15 to 18</u>	Agricultural Electives	6
		Total	<u>16</u>
<u>Fourth Year</u>			
Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.			
Agr. Educ. 276-Practice in Agr. Education	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities) <sup>2/</sup>	11-17
Agr. Eng. 201 or Da. Sci. 204 <sup>1/</sup> or other Agr. Elective	2 or 3	Total	<u>14 to 20</u>
Total	<u>15 or 16</u>		

Total hours credit required for the B. S. degree. . . . .130

<sup>1/</sup> Da. Sci. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.





Group 1--Courses in agriculture required of all students in the General Agriculture Curriculum.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Hort. elective	<u>3</u>
Total	22

### Fifth Year

(for the degree, Master of Science in Agricultural Education)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311-Psych. of Learning for Teachers	1/2	Two of the following courses: Educ. 301-Philos. of Educ.	1/2
Educ. 312-Mental Hygiene and the School	1/2	Educ. 302-Hist. of Am. Educ.	1/2
Electives	1	Educ. 303-Comparative Educ.	1/2
		Educ. 304-Social Foundations of Education	1/2
		Electives	<u>1</u>
Total	<u>4</u>	Total	<u>4</u>



COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree,  
Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			Earned:  To be earned:  A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
	credit	grade		credit	grade	
Agr. Econ. 100	3					
Agr. Econ. 220	3					
Agr. Eng. 111	3					
Agr. Eng. 112	3					
Agron. 121	4					
Agron. 201	5					
An. Sci. 101	3					
An. Sci. 102	3					
Da. Sci. 100	3					
Hort. 100	3					
Forestry 101 or 102, or Hort. elective	3					
Total	36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 100	4		History 152	3		
Chemistry 101 or 102	5-3		Pol. Sci. 150	3		
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities electives (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric 102	3		Education 101	2		
Speech 101	3		Education 201	2		
Zoology 104	4		Education 211	3		
Hygiene	2		Education (6b) 240	2		
Military	1		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.





## CURRICULA OF THE COLLEGE OF AGRICULTURE

Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the general agriculture curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class and students transferring to the curriculum must have a scholastic average in collegiate work not less than 3.5 in terms of the grading system of the University of Illinois.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 $\frac{1}{2}$
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 $\frac{1}{2}$	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 $\frac{1}{2}$	16
Electives, Unrestricted	<u>22</u>	<u>35</u>
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

2/ Students in Option II must include at least 8 semester hours in Economics.





Agricultural Science Curriculum - Option I  
Sample program for first year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2		
Math. 111 or 112-College Algebra <sup>1/</sup>	5 or 3	Math. 114-Plane Trigonometry <sup>1/</sup>	2
Rhet. 101-Rhet. & Comp.	3	Rhet. 102-Rhet. & Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	<u>0 to 5</u>	Electives	<u>3 to 6</u>
Total	15 to 18	Total	15 to 18

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. . . . . 130

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.



COLLEGE OF AGRICULTURE  
Office of Associate Dean

Date \_\_\_\_\_ Name \_\_\_\_\_  
Option and field selected \_\_\_\_\_

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.  
Option I--For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	credit	grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP III--Social Sciences (Econ., geog., hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.\*

credit	grade

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 10 hrs\*; Option II--Minimum of 6 hrs.

GROUP I--College of Agriculture Courses  
Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs\*; Option II--Minimum of 16 hrs.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

Open Electives:

Total hours earned \_\_\_\_\_

\* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P. E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.





Agriculture and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science Degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters. It is essential that a sequence in mathematics, physics, mechanics and design courses be followed along with agricultural courses to carry out this program. Students interested in this plan should observe the following procedure:

1. Enroll in the College of Agriculture for three years; then transfer to the College of Engineering for 2 years.

2. Follow the "Common Program for Freshmen" as set up for freshmen in Engineering, during the first year. Programs for subsequent years must be planned very carefully with the assistance of an adviser from the Agricultural Engineering Department.

3. Decide between the Agricultural Science Curriculum and the General Agriculture Curriculum. Courses in Mathematics, Physics, Theoretical and Applied Mechanics, Agricultural Engineering and Design must be taken in proper sequence each semester along with 3 to 5 hours of the Agriculture Curriculum requirements. Some courses in the Agricultural Engineering program must necessarily be deferred.

4. By the beginning of the third year, choose between the Machinery and Power option and the Farm Structures, Soil and Water Engineering option of the Agricultural Engineering Curriculum in the College of Engineering.

(a) Agricultural Science Curriculum: Option I (See Page 22)

16 hours general University requirements Rhet., Hyg., Mil., and P.E.
35 hours agriculture courses (including 18 hours Agr. Eng.)
6 hours humanities
6 hours social science (including Econ. 108)
10 hours biological science (including Bot. 100)
35 hours physical science (Chem., Math., Physics, Geol.)
<u>22 hours elective (G.E.D., T.A.M.)</u>
130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements with the exception of major option courses as follows:

(1) Machinery and Power: 8 hours electrical engineering and 23 hours mechanical engineering, for a total of 31 hours. (2) Farm Structures, Soil and Water Engineering: 4 hours fluid mechanics, 3 hours electrical engineering, and 24 hours civil engineering, for a total of 31 hours. This makes a requirement for both degrees of 161 hours, in either option.





## Agriculture and Agricultural Engineering Curricula--Continued

(b) General Agriculture Curriculum: (See Page 7)

- 29 hours agriculture prescribed (including Agr. Econ., Agronomy, An. Sci., etc.)
- 21 hours agriculture electives (including Agr. Eng.)
- 35 to 37 hours non-agriculture prescribed (including Bot., Geol., Rhet., Mil., Zool., etc.)
- 12 hours humanities and social studies
- 33 to 31 hours electives (including Math., G.E.D., Phys., etc.)
- 130 total hours

In conforming to this curriculum, the student can meet the agricultural engineering requirements, with the following exceptions: (1) Machinery and Power: 5 hours additional theoretical and applied mechanics, 8 hours electrical engineering, and 23 hours mechanical engineering. (2) Farm Structures, Soil and Water Engineering: 9 hours additional theoretical and applied mechanics, 3 hours electrical engineering, and 24 hours civil engineering. In each option the additional requirement is 36 hours, making a total for both degrees of 166 hours.



### Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an advisor for the six-year program in Agriculture and Law.

#### SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

##### A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	16

##### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	36

##### C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	6





## SUGGESTED AGRICULTURAL-SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	16
Law courses (to be taken in fourth year)	13	

## Group IV Courses

Zoology 104, or Botany 100	4	
Entomology 101	3	7

## Group V Courses

Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	<u>6</u>

Total hours in three years. . . . . 103

Law courses to complete requirement for degree. . . . . 27

Total Required for Degree in Agriculture. . . . . 130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.





**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs the student about \$35.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Introduction to Dairy Production	3
Math. 111 or 112-College Algebra	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bact. 104-Introductory Bacteriology	5	Chem. 122-Elementary Quantitative Analysis	5
Da. Tech. 101-Introduction to Dairy Technology	3	Da. Sci. 150-General Dairy Bacteriology	2
Da. Tech. 103-Dairy Products Judging	1	Da. Sci. 151-General Dairy Bacteriology	3
Econ. 108-Elements of Economics	3	Da. Tech. 104-Dairy Products Judging	1
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	3	Electives	3
Total	17	Total	16

Third Year

Chem. 133-Elementary Organic Chemistry	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Manufacture	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total Required for Graduation. . . . . 130

Notes: (1) The above figures are based on the latest available data. (2) The figures are in thousands of dollars.

This statement is prepared in accordance with the instructions of the Board of Directors. All figures are rounded to the nearest dollar. The figures are subject to audit and may be revised.

Statement of Assets and Liabilities

Assets	Liabilities	Total
Cash and cash equivalents	Accounts payable	
Accounts receivable	Notes payable	
Inventory	Long-term debt	
Property, plant, and equipment	Other liabilities	
Intangible assets		
Other assets		
Total Assets	Total Liabilities	Total

Statement of Income

Income	Expenses	Total
Sales	Cost of goods sold	
Other income	Selling expenses	
	Administrative expenses	
	Research and development expenses	
	Interest expense	
	Other expenses	
Total Income	Total Expenses	Total

Statement of Cash Flows

Cash Flows	Change in Cash
Operating activities	
Investing activities	
Financing activities	
Total Change in Cash	Total

Statement of Equity

Equity	Total
Common stock	
Retained earnings	
Total Equity	Total

## Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours in courses offered by the College of Agriculture is required in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

Suggested Group I electives:Hours

Agr. Econ. 334--Marketing Dairy Products (II)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380--Composition of Dairy Products (I)	3
Da. Tech. 308--Plant Management (II)	3
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Home Econ. 120--Elementary Nutrition (I, II)	2
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

Suggested Group II electives:

Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

Suggested Open electives:

Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	2



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Date \_\_\_\_\_

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.





**Floriculture Curriculum**  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101 and 102-Destructive and Useful Insects	5
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	3 to 5
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory System-atic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Flori-cultural Crops	3	Hort. 224-Commercial Flori-cultural Crops	3
Hort. 317-Plant Pathology	3	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 6	Electives	3 to 6
Total	15 to 18	Total	15 to 18



Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Land- scape Architecture	3
		Electives	6 to 9
Total	<u>15 to 18</u>	Total	<u>15 to 18</u>

Group 2--A minimum of four hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	<u>Hours</u>
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 204-Spraying (II, alternate years)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	2





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	CREDIT	GRADE		CREDIT	GRADE	SUMMARY
			Group 2			Group 2
			Minimum 4 hours selected			
Accy. 101	3		from: Engl., For. Lang.,			Earned _____
Accy. 105	3		Geog., Hist., L. Arch.,			
			Philos., Pol. Sci., Psych.,			
Agron. 201	5		Rhet., Sociol., Speech			
Bot. 100	4					To be
Bot. 130	5					earned _____
Bot. 160	3					
Chem. 101 or 102	5-3		Open Electives			TOTAL HOURS
Chem. 132	3					Earned _____
Econ. 108	3					
Entom. 101	3					
Entom. 102	2					
Geol. 105	3					
Hort. 121	3					
Hort. 122	3					
Hort. 223	3					
Hort. 224	3					
Hort. 226	3					
Hort. 230	3					
Hort. 231	3					
Hort. 232	3					
Hort. 317	3					
Hort. 321	3					
Hort. 322	3					
L. Arch. 164	3					
L. Arch. 251	3					
L. Arch. 252	3					
Rhet. 101	3					
Rhet. 102	3					
Hyg.	2					
Mil.	1					
Mil.	1					
Mil.	1					
Mil.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.

A minimum average of 3.0 is required for graduation.

NAME	RESIDENCE	OCCUPATION	SEX	AGE
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25
JAMES J. JONES	New York	Teacher	M	25



Food Technology Curriculum  
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is \$35.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	D.G.S. 112-Verbal Communication	4
Math. 117-Combined Freshman Mathematics <sup>1/</sup>	5	Math. 127-Combined Freshman Mathematics <sup>1/</sup>	4
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Total	<u>14 or 16</u>	Total	<u>17</u>

Second Year

Chem. 122-Elementary Quantitative Analysis	5	Chem. 133-Elementary Organic Chemistry	5
Math. 137-Calculus <sup>2/</sup>	3	Math. 147-Calculus <sup>2/</sup>	3
Physics 103-General Physics (Mechanics, Heat, and Sound)	5	Physics 104-General Physics (Elec., Magnetism, Light, and Modern Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	4
Total	<u>17</u>	Total	<u>17</u>

Third Year

Bact. 104-Introductory Bacteriology	5	Bact. 308-Food and Applied Bacteriology	5
Chem. 247-Elementary Physical Chemistry <sup>3/</sup>	4	Chem. 249-Chemistry of Colloids <sup>3/</sup>	3
F. T. 201-Elements of Food Technology	3	F. T. 202-Elements of Food Technology	3
F. T. 260-Raw Materials for Processing	4	Electives	6
Total	<u>16</u>	Total	<u>17</u>



Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 350-Biochemistry	5	Chem. 329-Food Analysis	5
F. T. 301-Food Processing	4	F. T. 206-Inspection Trip	0
F. T. 363-Unit Operations in Food Technology	3	F. T. 302-Food Processing	4
Electives	4	F. T. 332-Principles of Sanita- tion in the Processing and Handling of Foods	5
		Electives	5
Total	<u>16</u>	Total	<u>16</u>

Humanities and Social Studies Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). . . . .130

A minimum average of 3.0 is required for graduation.

- 1/ The student lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.
- 2/ The student who follows the algebra, trigonometry, analytic geometry sequence will take Math 132-Calculus and Math. 142-Calculus.
- 3/ Students adequately qualified may substitute Chem. 240 and Chem. 342-Elementary Physical Chemistry for Chem. 247 and Chem. 249.





CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

<u>PRESCRIBED COURSES:</u>	<u>credit</u>	<u>grade</u>	<u>HUMANITIES AND SOCIAL STUDIES--</u>	
Bact. 104 & 105	3 & 2		Minimum of 15 semester hours from:	
Bact. 308	5		Art, economics, English, foreign	
Botany 100	4		language, geography, history,	
Chem. 101 or 102	5 or 3		journalism, landscape architecture,	
Chem. 105	5		law, music, philosophy, political	
Chem. 122	5		science, psychology, sociology,	
Chem. 133	5		and speech.	
Chem. 247 $\frac{1}{2}$	4			
Chem. 249 $\frac{1}{2}$	3			
Chem. 329	5			
Chem. 350	5			
D. G. S. 111	4			
D. G. S. 112	4			
F. T. 201	3			
F. T. 202	3			
F. T. 206	0			
F. T. 260	4			
F. T. 301	4			
F. T. 302	4			
F. T. 332	2			
F. T. 363	3			
Mathematics 117 $\frac{2}{2}$	5			
Mathematics 127	4			
Mathematics 137	3			
Mathematics 147	3			
Physics 103	5			
Physics 104	5			
Hygiene	2			
Military	1-1			
Military	1-1			
P. E.	1-1			
P. E.	1-1			

OPEN ELECTIVES:

Earned:

To be  
earned:TOTAL  
HOURS

1/ Students adequately qualified may substitute Chem. 240 and Chem. 342, Elementary Physical Chemistry, for Chem. 247 and Chem. 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.

A minimum average of 3.0 is required for graduation.





Restaurant Management Curriculum  
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry; or Electives <sup>1/</sup>	5 or 3	Chem. 101 or 102-General Chemistry; or Electives <sup>1/</sup>	5 or 3
Hygiene 101-Health Lectures	2	Psych. 103-Human Behavior	4
Physiol. 103-Intro. to Human Physiology	4	Rhet. 102-Rhetoric and Composition	3
Rhet. 101-Rhetoric and Composition	3	Speech 101-Principles of Effective Speaking	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	14 to 16	Total	15 to 17

Second Year

Chem. 132-Elementary Organic Chemistry	3	Bact. 104-Introductory Bacteriology	5
English Literature	3	Econ. 108-Elements of Economics	3
Home Econ. 130-Introduction to Foods and Nutrition	2	English Literature	3
Soc. 100-Principles of Sociology	3	Rhet. 151-Business Letter Writing	2
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 3
Total	15 to 17	Total	15 to 18

<sup>1/</sup> Students taking Chem. 101 or 102 the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101 or 102 the second semester.



Third Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Accy. 101-Principles of Accounting; or Accy. 201-Fundamentals of Accounting <sup>2/</sup>	3	Accy. 105-Accounting Procedure <sup>2/</sup> ; or Electives	3
An. Sci. 104-Selection and Use of Meats	2	Econ. 248-Personnel Administration	3
Bus. Law 261-Summary of Business Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quantity Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Principles of Marketing	3
Electives	<u>2 or 3</u>		
Total	<u>16 or 17</u>	Total	<u>17</u>

Fourth Year

Accy. 265-Hotel Accounting	3	Home Econ. 253-Restaurant Interior	3
Home Econ. 345-Institution Management	3	Home Econ. 350-Institution Dietaries and Administration	4
Electives	10 to 12	Home Econ. 355-Advanced Quantity Cookery and Catering	3
		Mgmt. 204-Industrial Purchasing	3
		Electives	<u>2 to 5</u>
Total	<u>16 to 18</u>	Total	<u>15 to 18</u>

Total required for graduation. . . . .130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

<sup>2/</sup> Students who elect Accy. 101 must also take Accy. 105.





CHECK SHEET  
for degree, B.S. in Restaurant Management

40.

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE  
Office of Associate Dean

NAME \_\_\_\_\_  
DATE \_\_\_\_\_

PREScribed COURSES	CREDIT	GRADE	PREScribed	CREDIT	GRADE
Accy. 101 & 105 or Accy. 201	3-3		Rhet. 101	3	
Accy. 265	3		Rhet. 102	3	
Animal Sci. 104	3		Rhet. 151	2	
Bact. 104	2		Soc. 100	3	
Bus. Law 261	5		Speech 101	3	
Chem. 101 or 102	3		*Summer Practice 1	0	
Chem. 132	5-3		*Summer Practice 2	0	
Econ. 108	3		OPEN ELECTIVES:		
Econ. 240	3				
Econ. 248	3				
Engl. Lit. (total of	3-4				
Engl. Lit. (6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
P. E. M. or P. E. W.	1-1		AVERAGE (Minimum	TOTAL HOURS (130 hours, including PE and Mil., required)	
P. E. M. or P. E. W.	1-1		of 3.0 required for graduation)		
Physiol. 103	4				
Psych. 103	4				

\*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.





### Preforestry Two-Year Curriculum

The object of the two-year preforestry curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The preforestry curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the preforestry curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept nonresident (out-of-state) students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare this intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

#### First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Forestry 101-General Forestry	3	G. E. D. 101-Elements of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhetoric and Composition	3
Rhet. 101-Rhetoric and Composition	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
<b>Total</b>	<u>17 or 19</u>	<b>Total</b>	<u>18 or 20</u>

#### Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
<b>Total</b>	<u>16 to 18</u>	<b>Total</b>	<u>18</u>

#### Electives

Bot. 130-Plant Physiology	5
Bot. 160-Introductory Systematic Botany	3
Chem. 132-Elementary Organic Chemistry	3
Geog. 111-Introduction to Meteorology	3
Physics 101-General Physics (Mechanics, Sound, and Heat)	5
Physics 102-General Physics (Light, Electricity, and Magnetism)	5
Pol. Sci. 150-American Government	3
Speech 101-Principles of Effective Speaking	3









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1953/54

# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture  
Urbana, Illinois

1953-54

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CONTENTS

	<u>Page</u>
Student Objectives	1
Student Plans and Student Guidance	1
Curricula and Majors as Educational Programs	5
Curricula of the College of Agriculture:	
General Agriculture Curriculum	7
Suggested Majors for Students in the General Agriculture Curriculum:	
Agricultural Extension	9
Agricultural Journalism	10
Agricultural Marketing	11
Animal or Poultry Science	12
Dairy Production	13
Farm Crops	14
Farm Management and Farm Finance	15
Mechanization	16
Rural Group Leadership	17
Pomology	18
Soil Conservation	14
Vegetable Crops	18
Vocational Agriculture (for Smith-Hughes teachers)	19
Agricultural Science Curriculum	22
Agricultural Science and Agr. Engineering, Five-Year Program	25
Agriculture and Law, Six-Year Program	28
Dairy Technology Curriculum	30
Floriculture Curriculum	33
Food Technology Curriculum	36
Restaurant Management Curriculum	39
Preforestry (Two-Year) Curriculum	41

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Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_, \_\_\_\_\_  
(Number and Street) (Champaign or Urbana)

Home Address: \_\_\_\_\_  
\_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Office Hours: \_\_\_\_\_



## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal which fits his abilities and interests and has such an appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted the individual's understanding, the less likely he is to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals he sets must be individually chosen and must command his interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

---

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944





The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty adviser.

The University has provided the following five main agencies which give help and guidance to students in selecting and planning their individual programs:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If the student fails to become acquainted with his adviser, the purpose of the advisory plan is defeated. In general the student may assume that his faculty adviser is glad to assist him.

It is particularly important for the student to seek the counsel of his faculty adviser before and during registration in order that his program may be carefully planned. Far too often the student turns to anyone who will sign his study list, and there are too many short-sighted semester programs which do not lead directly toward individual objectives.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time the student wishes to change programs or advisers, he should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. He can provide channels through which the student sees new opportunities. To locate instructors, use the Directory of Staff and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning the educational progress of the individual.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.





## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates				Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>EDUCATIONAL WORKERS</b>									
College Teachers (total)	143	5.61	115	\$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
<b>PROFESSIONAL TECHNICIANS</b>									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
<b>FARMERS &amp; FARM MANAGERS</b>									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	18	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2,033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19

# STATE OF NEW YORK

IN SENATE

JANUARY 18, 1891

REPORT OF THE				COMMISSIONERS OF THE LAND OFFICE				REMARKS
1889	1890	1891	1892	1893	1894	1895	1896	
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955	956	957	958	959	960	961	962	963
964	965	966	967	968	969	970	971	972
973	974	975	976	977	978	979	980	981
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991	992	993	994	995	996	997	998	999
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1009	1010	1011	1012	1013	1014	1015	1016	1017
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1135	1136	1137	1138	1139	1140	1141	1142	1143
1144	1145	1146	1147	1148	1149	1150	1151	1152
1153	1154	1155	1156	1157	1158	1159	1160	1161
1162	1163	1164	1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176	1177	1178	1179
1180	1181	1182	1183	1184	1185	1186	1187	1188
1189	1190	1191	1192	1193	1194	1195	1196	1197
1198	1199	1200	1201	1202	1203	1204	1205	1206
1207	1208	1209	1210	1211	1212	1213	1214	1215
1216	1217	1218	1219	1220	1221	1222	1223	1224
1225	1226	1227	1228	1229	1230	1231	1232	1233
1234	1235	1236	1237	1238	1239	1240	1241	1242
1243	1244	1245	1246	1247	1248	1249	1250	1251
1252	1253	1254	1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266	1267	1268	1269
1270	1271	1272	1273	1274	1275	1276	1277	1278
1279	1280	1281	1282	1283	1284	1285	1286	1287
1288	1289	1290	1291	1292	1293	1294	1295	1296
1297	1298	1299	1300	1301	1302	1303	1304	1305
1306	1307	1308	1309	1310	1311	1312	1313	1314
1315	1316	1317	1318	1319	1320	1321	1322	1323
1324	1325	1326	1327	1328	1329	1330	1331	1332
1333	1334	1335	1336	1337	1338	1339	1340	1341
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1351	1352	1353	1354	1355	1356	1357	1358	1359
13								

## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>BUSINESS &amp; INDUSTRY</b>									
Managers and Supervisors	233	9.15	208	\$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
<b>MISCELLANEOUS PROFESSIONS &amp; OTHERS</b>									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
GRAND TOTAL	2,547	99.99	1,941	\$ 5,909	1,029	611	529	342	36





### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 and 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science.

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.





The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

#### Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.





**General Agriculture Curriculum**  
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation. The fields may include agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, vocational agriculture, and others as agreed upon by the faculty. Group I consists of all prescribed courses in agriculture. A minimum of 130 semester hours is required for graduation.

<u>First Semester</u>		<u>First Year</u>		<u>Second Semester</u>	
	Hours				Hours
Bot. 100--General Botany	4	Chem. 101 or 102--General Chem.	5 or 3		
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.	3		
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology	4		
Mil. & P. E.	2	Mil. & P. E.	2		
Two courses from Group I	6	One course from Group I	3 or 4		
Total	17	Total	15 to 18		
		<u>Second Year</u>			
Chem. 132--Elem. Org. Chem. <sup>1/</sup>	3	Econ. 108--Elem. of Econ.	3		
Geol. 105--Agric. Geology	3	Mil. & P. E.	2		
Mil. & P. E.	2	Two courses from Group I	6		
Three courses from Group I	9	Electives	5 or 6		
	17		16 or 17		

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses:

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics <sup>2/</sup>	3
Agr. Eng. 101--Introduction to Agr. Engineering	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Horticulture elective	3
TOTAL. . . . .	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.

<sup>1/</sup> Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 133 instead of Chem. 132.

<sup>2/</sup> Students entering as juniors or seniors should substitute Agr. Econ. 220 or 230 for Agr. Econ. 100.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	Credit	Grade		Credit	Grade	
Agr. Econ. 100	3					Earned:
Agr. Eng. 101	3					
Agronomy 121	4					To be
Agronomy 201	5					earned:
An. Sci. 101	3					
An. Sci. 102	3					A TRANSFER
Da. Sci. 100	3					STUDENT
Hort. 100	3					MUST EARN
Forestry 101 or 102						AT LEAST
or Hort. elective	3					1/2 OF HIS
Total Hours	30					AGR. HOURS IN
						RESIDENCE
						AT THE UNIV.
						OF ILLINOIS
NON-AGRICULTURE PRESCRIBED:			HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., Eng., for. lang., geog., hist., journ., land. arch., law, music, phil., pol. sci., psych., religion, soc., and speech.			
Botany 100	4			credit	grade	
Chemistry 101 or 102	5-3					Earned:
Chemistry 132	3					
Economics 108	3					To be
Geology 105	3					earned:
Hygiene	2					
Rhetoric 101	3		OPEN ELECTIVES:			
Rhetoric 102	3					
Zoology 104	4					TOTAL HOURS
Military	1					
Military	1					
Military	1					
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.

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Name		Address		City		State		Zip	
Mr. J. B. Smith		123 Main St.		New York		NY		10001	
Mrs. A. C. Jones		456 Elm St.		Los Angeles		CA		90001	
Mr. D. E. Brown		789 Oak St.		Chicago		IL		60601	
Ms. F. G. White		101 Pine St.		Houston		TX		77001	
Mr. H. I. Black		202 Cedar St.		Phoenix		AZ		85001	
Mrs. J. K. Green		303 Birch St.		San Antonio		TX		78101	
Mr. L. M. Blue		404 Maple St.		Dallas		TX		75201	
Ms. N. O. Yellow		505 Elm St.		San Diego		CA		92101	
Mr. P. Q. Purple		606 Oak St.		Austin		TX		78701	
Mrs. R. S. Pink		707 Pine St.		Fort Worth		TX		76101	
Mr. T. U. Grey		808 Cedar St.		El Paso		TX		79901	
Ms. V. W. Brown		909 Birch St.		San Jose		CA		95101	
Mr. X. Y. Green		1010 Maple St.		San Francisco		CA		94101	
Mrs. Z. A. Blue		1111 Elm St.		Oakland		CA		94601	
Mr. B. C. Yellow		1212 Oak St.		Albuquerque		NM		87101	
Ms. D. E. Purple		1313 Pine St.		Tucson		AZ		85701	
Mr. F. G. Pink		1414 Cedar St.		Yonkers		NY		10461	
Mrs. H. I. Grey		1515 Birch St.		Rochester		NY		14601	
Mr. J. K. Brown		1616 Maple St.		Syracuse		NY		13201	
Ms. L. M. Green		1717 Elm St.		Buffalo		NY		14201	
Mr. N. O. Blue		1818 Oak St.		Baltimore		MD		21201	
Mrs. P. Q. Yellow		1919 Pine St.		Washington		DC		20001	
Mr. R. S. Purple		2020 Cedar St.		Philadelphia		PA		19101	
Ms. T. U. Pink		2121 Birch St.		New Orleans		LA		70101	
Mr. V. W. Grey		2222 Maple St.		Mobile		AL		36601	
Mrs. X. Y. Brown		2323 Elm St.		Tallahassee		FL		90501	
Mr. Z. A. Green		2424 Oak St.		Jacksonville		FL		32201	
Ms. B. C. Blue		2525 Pine St.		Tampa		FL		33601	
Mr. D. E. Yellow		2626 Cedar St.		Orlando		FL		32801	
Mrs. F. G. Purple		2727 Birch St.		Fort Lauderdale		FL		33301	
Mr. H. I. Pink		2828 Maple St.		Miami		FL		33101	
Ms. J. K. Grey		2929 Elm St.		Hialeah		FL		33001	
Mr. L. M. Brown		3030 Oak St.		Coral Gables		FL		33134	
Mrs. N. O. Green		3131 Pine St.		Kissimmee		FL		34746	
Mr. P. Q. Blue		3232 Cedar St.		Winter Springs		FL		32789	
Ms. R. S. Yellow		3333 Birch St.		Deerfield Beach		FL		33442	
Mr. T. U. Purple		3434 Maple St.		Fort Myers		FL		33901	
Mrs. V. W. Pink		3535 Elm St.		Naples		FL		34101	
Mr. X. Y. Grey		3636 Oak St.		Sarasota		FL		34234	
Ms. Z. A. Brown		3737 Pine St.		Venice		FL		33596	
Mr. B. C. Green		3838 Cedar St.		Bradenton		FL		34201	
Mrs. D. E. Blue		3939 Birch St.		Palmdale		CA		93550	
Mr. F. G. Yellow		4040 Maple St.		Lancaster		CA		93534	
Ms. H. I. Purple		4141 Elm St.		Hanford		CA		93230	
Mr. J. K. Pink		4242 Oak St.		Corcoran		CA		93240	
Mrs. L. M. Grey		4343 Pine St.		Wasco		CA		93280	
Mr. N. O. Brown		4444 Cedar St.		Arvin		CA		93203	
Ms. P. Q. Green		4545 Birch St.		Tehama		CA		93264	
Mr. R. S. Blue		4646 Maple St.		Coalinga		CA		93238	
Mrs. T. U. Yellow		4747 Elm St.		Bakersfield		CA		93301	
Mr. V. W. Purple		4848 Oak St.		Delano		CA		93230	
Ms. X. Y. Pink		4949 Pine St.		Lemoore		CA		93245	
Mr. Z. A. Grey		5050 Cedar St.		Merced		CA		95340	
Mrs. B. C. Brown		5151 Birch St.		Manteca		CA		95030	
Mr. D. E. Green		5252 Maple St.		Stockton		CA		95201	
Ms. F. G. Blue		5353 Elm St.		Tracy		CA		95376	
Mr. H. I. Yellow		5454 Oak St.		Manteca		CA		95030	
Mrs. J. K. Purple		5555 Pine St.		Merced		CA		95340	
Mr. L. M. Pink		5656 Cedar St.		Manteca		CA		95030	
Ms. N. O. Grey		5757 Birch St.		Stockton		CA		95201	
Mr. P. Q. Brown		5858 Maple St.		Tracy		CA		95376	
Mrs. R. S. Green		5959 Elm St.		Manteca		CA		95030	
Mr. T. U. Blue		6060 Oak St.		Merced		CA		95340	
Ms. V. W. Yellow		6161 Pine St.		Manteca		CA		95030	
Mr. X. Y. Purple		6262 Cedar St.		Stockton		CA		95201	
Mrs. Z. A. Pink		6363 Birch St.		Tracy		CA		95376	
Mr. B. C. Grey		6464 Maple St.		Manteca		CA		95030	
Ms. D. E. Brown		6565 Elm St.		Merced		CA		95340	
Mr. F. G. Green		6666 Oak St.		Manteca		CA		95030	
Mrs. H. I. Blue		6767 Pine St.		Stockton		CA		95201	
Mr. J. K. Yellow		6868 Cedar St.		Tracy		CA		95376	
Ms. L. M. Purple		6969 Birch St.		Manteca		CA		95030	
Mr. N. O. Pink		7070 Maple St.		Merced		CA		95340	
Mrs. P. Q. Grey		7171 Elm St.		Manteca		CA		95030	
Mr. R. S. Brown		7272 Oak St.		Merced		CA		95340	
Ms. T. U. Green		7373 Pine St.		Manteca		CA		95030	
Mr. V. W. Blue		7474 Cedar St.		Stockton		CA		95201	
Mrs. X. Y. Yellow		7575 Birch St.		Tracy		CA		95376	
Mr. Z. A. Purple		7676 Maple St.		Manteca		CA		95030	
Ms. B. C. Pink		7777 Elm St.		Merced		CA		95340	
Mr. D. E. Grey		7878 Oak St.		Manteca		CA		95030	
Mrs. F. G. Brown		7979 Pine St.		Stockton		CA		95201	
Mr. H. I. Green		8080 Cedar St.		Tracy		CA		95376	
Ms. J. K. Blue		8181 Birch St.		Manteca		CA		95030	
Mr. L. M. Yellow		8282 Maple St.		Merced		CA		95340	
Mrs. N. O. Purple		8383 Elm St.		Manteca		CA		95030	
Mr. P. Q. Pink		8484 Oak St.		Merced		CA		95340	
Ms. R. S. Grey		8585 Pine St.		Manteca		CA		95030	
Mr. T. U. Brown		8686 Cedar St.		Stockton		CA		95201	
Mrs. V. W. Green		8787 Birch St.		Tracy		CA		95376	
Mr. X. Y. Blue		8888 Maple St.		Manteca		CA		95030	
Ms. Z. A. Yellow		8989 Elm St.		Merced		CA		95340	
Mr. B. C. Purple		9090 Oak St.		Manteca		CA		95030	
Mrs. D. E. Pink		9191 Pine St.		Stockton		CA		95201	
Mr. F. G. Grey		9292 Cedar St.		Tracy		CA		95376	
Ms. H. I. Brown		9393 Birch St.		Manteca		CA		95030	
Mr. J. K. Green		9494 Maple St.		Merced		CA		95340	
Mrs. L. M. Blue		9595 Elm St.		Manteca		CA		95030	
Mr. N. O. Yellow		9696 Oak St.		Merced		CA		95340	
Ms. P. Q. Purple		9797 Pine St.		Manteca		CA		95030	
Mr. R. S. Pink		9898 Cedar St.		Stockton		CA		95201	
Mrs. T. U. Grey		9999 Birch St.		Tracy		CA		95376	



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

Agricultural Courses:Hours

Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

Other Courses:

English or American Literature	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

STUDIES IN THE HISTORY OF THE UNITED STATES

The following studies are arranged in chronological order, beginning with the earliest and ending with the latest. The studies are arranged in chronological order, beginning with the earliest and ending with the latest. The studies are arranged in chronological order, beginning with the earliest and ending with the latest.

STUDIES

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- 1. The study of the history of the United States is a branch of the history of the world.
- 2. The study of the history of the United States is a branch of the history of the world.
- 3. The study of the history of the United States is a branch of the history of the world.
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- 10. The study of the history of the United States is a branch of the history of the world.

## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio, advertising, sales, public relations, college editorial work and other fields requiring training both in agriculture and journalism. Non-major students may find the writing practice in Agriculture 114 useful in preparation of reports for other courses and in a professional field where some writing or preparation of reports is required.

### Agricultural Courses:

### Hours

Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Other agriculture courses chosen in line with the student's field of interest.	

### Journalism Courses:

Journalism 204--Typography (I, II)	2
Journalism 211 or 212--Reporting or Reporting Practice (I, II)	3
Journalism 223--Press Photography (I, II)	3
Journalism 227--Magazine Article Writing (I, II)	3
Journalism 263--Radio Announcing (I, II)	2
Journalism 281--Introduction to Advertising (I, II)	3
Journalism 321--Copyreading (I, II)	4
Journalism 382--Advertising Copy and Layout (I, II)	4

### Other Courses:

Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Psychology 150--Personality and Social Behavior (I, II)	3
Psychology 255--Social Psychology (I, II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and co-operative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

### Agricultural Courses:

### Hours

Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

### Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

### Agricultural Courses:

### Hours

Animal Science 103--Breeds and Market Classes of Livestock (I)	5
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light and Heavy Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (I, II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

### Other Courses:

Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

Agricultural Courses:Hours

Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3
Vet. Physiology and Pharm. 102--Physiology of Domestic Animals (II)	3



CONTENTS  
ORIGINAL ARTICLES  
The Effect of the Diet on the Blood Sugar in the Normal Adult Male  
The Effect of the Diet on the Blood Sugar in the Normal Adult Female  
The Effect of the Diet on the Blood Sugar in the Normal Adult Child

ORIGINAL ARTICLES (Continued)

- (1) The Effect of the Diet on the Blood Sugar in the Normal Adult Male
- (2) The Effect of the Diet on the Blood Sugar in the Normal Adult Female
- (3) The Effect of the Diet on the Blood Sugar in the Normal Adult Child
- (4) The Effect of the Diet on the Blood Sugar in the Normal Adult Male
- (5) The Effect of the Diet on the Blood Sugar in the Normal Adult Female
- (6) The Effect of the Diet on the Blood Sugar in the Normal Adult Child
- (7) The Effect of the Diet on the Blood Sugar in the Normal Adult Male
- (8) The Effect of the Diet on the Blood Sugar in the Normal Adult Female
- (9) The Effect of the Diet on the Blood Sugar in the Normal Adult Child
- (10) The Effect of the Diet on the Blood Sugar in the Normal Adult Male
- (11) The Effect of the Diet on the Blood Sugar in the Normal Adult Female
- (12) The Effect of the Diet on the Blood Sugar in the Normal Adult Child

ORIGINAL ARTICLES (Continued)

- (13) The Effect of the Diet on the Blood Sugar in the Normal Adult Male
- (14) The Effect of the Diet on the Blood Sugar in the Normal Adult Female
- (15) The Effect of the Diet on the Blood Sugar in the Normal Adult Child

## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (II) or Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

### Agricultural Courses:

	<u>Hours</u>
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

### Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Destructive and Useful Insects (I, II) or	3
Entomology 103--Life of Insects (II)	4



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:Hours

Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Advanced Gas and Diesel Engines and Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment, and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H, and other rural youth work, rural pastorships<sup>1/</sup>, rural social welfare work, rural recreation, rural library work, foreign service<sup>2/</sup>, etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Agricultural Courses:Hours

Agr. Economics 177--Farmers' and Rural Organizations (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 277--Rural Sociology (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II) or Home Economics 377--Home Economics Extension (II)	3

Other Courses:

Anthropology 107--Introduction to Anthropology (I, II)	3
Economics 216--State and Local Taxation in Illinois (I)	3
**Political Science 310--Rural Local Government (I or II)	3
**Psychology 100--Introduction to Psychology (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Recreation 270--Social Recreation Activities (I, II)	2
**Sociology 100--Principles of Sociology (I, II)	3
Sociology 320--Social Roles (I or II)	3
Sociology 344--Public Opinion (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

1/ Pre-theological majors are advised to include among their electives the courses marked \*\*; at least two courses from English 101, 102, 121, or 122; at least one course from History 111, 112, 352, or 361; and Philosophy 101 or 102. If you plan to enter a particular seminary, check as to courses required for admission.

2/ A student who is preparing for foreign service may wish to take Agr. Economics 211, Agricultural Economies of Latin American Countries, or Anthropology 361, Ethnology of Middle America, or a similar course related to the country in which he expects to work.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 204--Spraying (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 343--Structure and Classification of Vegetable Crop Plants (II, alternate years)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101 and 102--Destructive and Useful Insects (I, II)	5



General Agriculture Curriculum with Major in Teacher Training  
(for the degree, Bachelor of Science in Agriculture)

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bot. 100-General Botany	4	Chem. 101 or 102-General Chemistry	5 or 3
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comn. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Structures and Soil and Water Conservation	3
Educ. 101-The Nature of the Teaching Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
Agricultural Electives	3 to 6	Hist. 152-History of U. S.	3
Total	15 to 18	Agricultural Electives	6
		Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Procedures in Agr. Education	5	Electives (including 2 hours of humanities) <sup>2/</sup>	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production <sup>1/</sup>			
or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. . . . .130

<sup>1/</sup> Da. Sci. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.





Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Hort. elective	<u>3</u>
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311--Psych. of Learning for Teachers	1/2	Two of the following courses: Educ. 301--Philos. of Educ.	1/2
Educ. 312--Mental Hygiene and the School	1/2	Educ. 302--Hist. of Am. Educ.	1/2
Electives	1	Educ. 303--Comparative Educ.	1/2
		Educ. 304--Social Foundations of Education	1/2
		Electives	<u>1</u>
Total	<u>4</u>	Total	<u>4</u>

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the degree of Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible.

AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours

	Credit	Grade		Credit	Grade	
Agr. Econ. 100	3					Earned:
Agr. Econ. 220	3					
Agr. Eng. 111	3					To be
Agr. Eng. 112	3					earned:
Agron. 121	4					A TRANSFER
Agron. 201	5					STUDENT
An. Sci. 101	3					MUST EARN
An. Sci. 102	3					AT LEAST
Da. Sci. 100	3					1/2 OF HIS
Hort. 100	3					AGR. HOURS
Forestry 101 or 102, or Hort. elective	3					IN RESI-
Total	36					DENCE AT
						THE UNIV.
						OF ILLI-
						NOIS
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL
Botany 100	4		History 152	3		HOURS
Chemistry 101 or 102	5-3		Pol. Sci. 150	3		EARNED:
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric 102	3		Education 101	2		
Speech 101	3		Education 201	2		
Zoology 104	4		Education 211	3		
Hygiene	2		Education 240	2		
Military	1		Agr. Educ. 276	5		
Military	1		Agr. Educ. 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.



Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.

Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 <sup>2/</sup>
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 <sup>1/</sup>	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 <sup>1/</sup>	16
Electives, Unrestricted	<u>22</u>	<u>35</u>
TOTAL required for graduation	130	130

<sup>1/</sup> All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

<sup>2/</sup> Students in Option II must include at least 8 semester hours in Economics.





Agricultural Science Curriculum - Option I  
Sample program for first year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry <sup>1/</sup>	2
Math. 111 or 112-College Algebra <sup>1/</sup>	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	<u>3 to 6</u>
Electives	<u>0 to 5</u>	Total	15 to 18
Total	15 to 18		

Second, Third, and Fourth Years

The programs for the second, third, and fourth years should be planned in consultation with the faculty adviser.

Total required for graduation. . . . . 130

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Date \_\_\_\_\_ Name \_\_\_\_\_  
Option and field selected \_\_\_\_\_

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.  
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	Credit	Grade
Rhet. 101(1)	3	
Rhet. 102(2)	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP I--College of Agriculture Courses  
Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.\*

Credit Grade

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 10 hrs\*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs\*; Option II--Minimum of 16 hrs.

GROUP II--Humanities (Art, music, language, literature, philosophy) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

Open Electives:

Total hours earned \_\_\_\_\_

\* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.





Agricultural Science and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 22) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year  
(Enroll in College of Agriculture)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Elem. of Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg. <sup>1/</sup>	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig. <sup>1/</sup>	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 143-Calculus	5
G.E. 102-Descriptive Geometry	3	Physics 106-Mechanics	4
Math. 133-Calculus	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective <sup>2/</sup>	3
Total	15	Total	17

<sup>1/</sup> Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

<sup>2/</sup> See page 27 for a listing of approved electives.



# THE UNIVERSITY OF CHICAGO DEPARTMENT OF CHEMISTRY REPORT ON THE PROGRESS OF RESEARCH IN THE LABORATORY OF PROFESSOR J. H. COOPER

The following report summarizes the progress of research in the laboratory of Professor J. H. Cooper during the year 1954. The work was carried out in the Department of Chemistry, University of Chicago, under the supervision of Professor J. H. Cooper. The research was supported by the National Science Foundation, Grant No. 54-1000, and the University of Chicago.

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1954		1953	
Project	Progress	Project	Progress
1. Synthesis of new compounds	Completed 10 new compounds	1. Synthesis of new compounds	Completed 10 new compounds
2. Analysis of new compounds	Completed 10 new compounds	2. Analysis of new compounds	Completed 10 new compounds
3. Synthesis of new compounds	Completed 10 new compounds	3. Synthesis of new compounds	Completed 10 new compounds
4. Analysis of new compounds	Completed 10 new compounds	4. Analysis of new compounds	Completed 10 new compounds
5. Synthesis of new compounds	Completed 10 new compounds	5. Synthesis of new compounds	Completed 10 new compounds
6. Analysis of new compounds	Completed 10 new compounds	6. Analysis of new compounds	Completed 10 new compounds
7. Synthesis of new compounds	Completed 10 new compounds	7. Synthesis of new compounds	Completed 10 new compounds
8. Analysis of new compounds	Completed 10 new compounds	8. Analysis of new compounds	Completed 10 new compounds
9. Synthesis of new compounds	Completed 10 new compounds	9. Synthesis of new compounds	Completed 10 new compounds
10. Analysis of new compounds	Completed 10 new compounds	10. Analysis of new compounds	Completed 10 new compounds

The following report summarizes the progress of research in the laboratory of Professor J. H. Cooper during the year 1954. The work was carried out in the Department of Chemistry, University of Chicago, under the supervision of Professor J. H. Cooper. The research was supported by the National Science Foundation, Grant No. 54-1000, and the University of Chicago.

Third Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Electives <sup>1/</sup>	3
Approved Electives <sup>1/</sup>	3		
Total	<u>17</u>	Total	<u>15</u>

## POWER AND MACHINERY OPTION

Fourth Year

(Student may transfer to College of Engineering)

Agr. Eng. 231-Farm Machine Char- acteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 202-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Electives <sup>1/</sup>	3
T.A.M. 223-Resistance of Ma- terials Laboratory	1		
Total	<u>16</u>	Total	<u>17</u>

Fifth Year

(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agri- cultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agri. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Proc- esses	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives <sup>1/</sup>	6
Approved Electives <sup>1/</sup>	6 or 7		
Total	<u>15 or 16</u>	Total	<u>15</u>

<sup>1/</sup> See page 27 for a listing of approved electives.

TABLE 1

Year	Population	Year	Population
1950	1,000,000	1955	1,200,000
1960	1,500,000	1965	1,800,000
1970	2,000,000	1975	2,500,000
1980	2,500,000	1985	3,000,000
1990	3,000,000	1995	3,500,000
2000	3,500,000	2005	4,000,000
2010	4,000,000	2015	4,500,000
2020	4,500,000	2025	5,000,000
2030	5,000,000	2035	5,500,000
2040	5,500,000	2045	6,000,000
2050	6,000,000	2055	6,500,000
2060	6,500,000	2065	7,000,000
2070	7,000,000	2075	7,500,000
2080	7,500,000	2085	8,000,000
2090	8,000,000	2095	8,500,000
2100	8,500,000	2105	9,000,000
2110	9,000,000	2115	9,500,000
2120	9,500,000	2125	10,000,000
2130	10,000,000	2135	10,500,000
2140	10,500,000	2145	11,000,000
2150	11,000,000	2155	11,500,000
2160	11,500,000	2165	12,000,000
2170	12,000,000	2175	12,500,000
2180	12,500,000	2185	13,000,000
2190	13,000,000	2195	13,500,000
2200	13,500,000	2205	14,000,000
2210	14,000,000	2215	14,500,000
2220	14,500,000	2225	15,000,000
2230	15,000,000	2235	15,500,000
2240	15,500,000	2245	16,000,000
2250	16,000,000	2255	16,500,000
2260	16,500,000	2265	17,000,000
2270	17,000,000	2275	17,500,000
2280	17,500,000	2285	18,000,000
2290	18,000,000	2295	18,500,000
2300	18,500,000	2305	19,000,000
2310	19,000,000	2315	19,500,000
2320	19,500,000	2325	20,000,000
2330	20,000,000	2335	20,500,000
2340	20,500,000	2345	21,000,000
2350	21,000,000	2355	21,500,000
2360	21,500,000	2365	22,000,000
2370	22,000,000	2375	22,500,000
2380	22,500,000	2385	23,000,000
2390	23,000,000	2395	23,500,000
2400	23,500,000	2405	24,000,000
2410	24,000,000	2415	24,500,000
2420	24,500,000	2425	25,000,000
2430	25,000,000	2435	25,500,000
2440	25,500,000	2445	26,000,000
2450	26,000,000	2455	26,500,000
2460	26,500,000	2465	27,000,000
2470	27,000,000	2475	27,500,000
2480	27,500,000	2485	28,000,000
2490	28,000,000	2495	28,500,000
2500	28,500,000	2505	29,000,000
2510	29,000,000	2515	29,500,000
2520	29,500,000	2525	30,000,000
2530	30,000,000	2535	30,500,000
2540	30,500,000	2545	31,000,000
2550	31,000,000	2555	31,500,000
2560	31,500,000	2565	32,000,000
2570	32,000,000	2575	32,500,000
2580	32,500,000	2585	33,000,000
2590	33,000,000	2595	33,500,000
2600	33,500,000	2605	34,000,000
2610	34,000,000	2615	34,500,000
2620	34,500,000	2625	35,000,000
2630	35,000,000	2635	35,500,000
2640	35,500,000	2645	36,000,000
2650	36,000,000	2655	36,500,000
2660	36,500,000	2665	37,000,000
2670	37,000,000	2675	37,500,000
2680	37,500,000	2685	38,000,000
2690	38,000,000	2695	38,500,000
2700	38,500,000	2705	39,000,000
2710	39,000,000	2715	39,500,000
2720	39,500,000	2725	40,000,000
2730	40,000,000	2735	40,500,000
2740	40,500,000	2745	41,000,000
2750	41,000,000	2755	41,500,000
2760	41,500,000	2765	42,000,000
2770	42,000,000	2775	42,500,000
2780	42,500,000	2785	43,000,000
2790	43,000,000	2795	43,500,000
2800	43,500,000	2805	44,000,000
2810	44,000,000	2815	44,500,000
2820	44,500,000	2825	45,000,000
2830	45,000,000	2835	45,500,000
2840	45,500,000	2845	46,000,000
2850	46,000,000	2855	46,500,000
2860	46,500,000	2865	47,000,000
2870	47,000,000	2875	47,500,000
2880	47,500,000	2885	48,000,000
2890	48,000,000	2895	48,500,000
2900	48,500,000	2905	49,000,000
2910	49,000,000	2915	49,500,000
2920	49,500,000	2925	50,000,000
2930	50,000,000	2935	50,500,000
2940	50,500,000	2945	51,000,000
2950	51,000,000	2955	51,500,000
2960	51,500,000	2965	52,000,000
2970	52,000,000	2975	52,500,000
2980	52,500,000	2985	53,000,000
2990	53,000,000	2995	53,500,000
3000	53,500,000	3005	54,000,000
3010	54,000,000	3015	54,500,000
3020	54,500,000	3025	55,000,000
3030	55,000,000	3035	55,500,000
3040	55,500,000	3045	56,000,000
3050	56,000,000	3055	56,500,000
3060	56,500,000	3065	57,000,000
3070	57,000,000	3075	57,500,000
3080	57,500,000	3085	58,000,000
3090	58,000,000	3095	58,500,000
3100	58,500,000	3105	59,000,000
3110	59,000,000	3115	59,500,000
3120	59,500,000	3125	60,000,000
3130	60,000,000	3135	60,500,000
3140	60,500,000	3145	61,000,000
3150	61,000,000	3155	61,500,000
3160	61,500,000	3165	62,000,000
3170	62,000,000	3175	62,500,000
3180	62,500,000	3185	63,000,000
3190	63,000,000	3195	63,500,000
3200	63,500,000	3205	64,000,000
3210	64,000,000	3215	64,500,000
3220	64,500,000	3225	65,000,000
3230	65,000,000	3235	65,500,000
3240	65,500,000	3245	66,000,000
3250	66,000,000	3255	66,500,000
3260	66,500,000	3265	67,000,000
3270	67,000,000	3275	67,500,000
3280	67,500,000	3285	68,000,000
3290	68,000,000	3295	68,500,000
3300	68,500,000	3305	69,000,000
3310	69,000,000	3315	69,500,000
3320	69,500,000	3325	70,000,000
3330	70,000,000	3335	70,500,000
3340	70,500,000	3345	71,000,000
3350	71,000,000	3355	71,500,000
3360	71,500,000	3365	72,000,000
3370	72,000,000	3375	72,500,000
3380	72,500,000	3385	73,000,000
3390	73,000,000	3395	73,500,000
3400	73,500,000	3405	74,000,000
3410	74,000,000	3415	74,500,000
3420	74,500,000	3425	75,000,000
3430	75,000,000	3435	75,500,000
3440	75,500,000	3445	76,000,000
3450	76,000,000	3455	76,500,000
3460	76,500,000	3465	77,000,000
3470	77,000,000	3475	77,500,000
3480	77,500,000	3485	78,000,000
3490	78,000,000	3495	78,500,000
3500	78,500,000	3505	79,000,000
3510	79,000,000	3515	79,500,000
3520	79,500,000	3525	80,000,000
3530	80,000,000	3535	80,500,000
3540	80,500,000	3545	81,000,000
3550	81,000,000	3555	81,500,000
3560	81,500,000	3565	82,000,000
3570	82,000,000	3575	82,500,000
3580	82,500,000	3585	83,000,000
3590	83,000,000	3595	83,500,000
3600	83,500,000	3605	84,000,000
3610	84,000,000	3615	84,500,000
3620	84,500,000	3625	85,000,000
3630	85,000,000	3635	85,500,000
3640	85,500,000	3645	86,000,000
3650	86,000,000	3655	86,500,000
3660	86,500,000	3665	87,000,000
3670	87,000,000	3675	87,500,000
3680	87,500,000	3685	88,000,000
3690	88,000,000	3695	88,500,000
3700	88,500,000	3705	89,000,000
3710	89,000,000	3715	89,500,000
3720	89,500,000	3725	90,000,000
3730	90,000,000	3735	90,500,000
3740	90,500,000	3745	91,000,000
3750	91,000,000	3755	91,500,000
3760	91,500,000	3765	92,000,000
3770	92,000,000	3775	92,500,000
3780	92,500,000	3785	93,000,000
3790	93,000,000	3795	93,500,000
3800	93,500,000	3805	94,000,000
3810	94,000,000	3815	94,500,000
3820	94,500,000	3825	95,000,000
3830	95,000,000	3835	95,500,000
3840	95,500,000	3845	96,000,000
3850	96,000,000	3855	96,500,000
3860	96,500,000	3865	97,000,000
3870	97,000,000	3875	97,500,000
3880	97,500,000	3885	98,000,000
3890	98,000,000	3895	98,500,000
3900	98,500,000	3905	99,000,000
3910	99,000,000	3915	99,500,000
3920	99,500,000	3925	100,000,000
3930	100,000,000	3935	100,500,000
3940	100,500,000	3945	101,000,000
3950	101,000,000	3955	101,500,000
3960	101,500,000	3965	102,000,000
3970	102,000,000	3975	102,500,000
3980	102,500,000	3985	103,000,000
3990	103,000,000	3995	103,500,000
4000	103,500,000	4005	104,000,000
4010	104,000,000	4015	104,500,000
4020	104,500,000	4025	105,000,000
4030	105,000,000	4035	105,500,000
4040	105,500,000	4045	106,000,000
4050	106,000,000	4055	106,500,000
4060	106,500,000	4065	107,000,000
4070	107,000,000	4075	107,500,000
4080	107,500,000	4085	108,000,000
4090	108,000,000	4095	108,500,000
4100	108,500,000	4105	109,000,000
4110	109,000,000	4115	109,500,000
4120	109,500,000	4125	110,000,000
4130	110,000,000	4135	110,500,000
4140	110,500,000	4145	111,000,000
4150	111,000,000	4155	111,500,000
4160	111,500,000	4165	112,000,000
4170	112,000,000	4175	112,500,000
4180	112,500,000	4185	113,000,000
4190	113,000,000	4195	113,500,000
4200	113,500,000	4205	114,000,000
4210	114,000,000	4215	114,500,000
4220	114,500,000	4225	115,000,000
4230	115,000,000	4235	115,500,000
4240	115,500,000	4245	116,000,000
4250	116,000,000	4255	116,500,000
4260	116,500,000	4265	117,000,000
4270	117,000,000	4275	117,500,000
4280	117,500,000	4285	118,000,000
4290	118,000,000	4295	118,500,000



## STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year

(Student may transfer to College of Engineering)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Electives	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year

(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agri. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
Approved Electives	6		
Total	16	Total	14 to 16

Approved Electives must include the following:

- (1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)
- (2) 6 hours humanities (art, music, language, literature, philosophy)
- (3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)
- (4) 2 hours more in agriculture in Power and Machinery Option.  
5 hours more in agriculture in Structures, Soil and Water Engineering Option.
- (5) Sufficient open electives to total 160 hours.



### Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an advisor for the six-year program in Agriculture and Law.

#### SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

##### A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	16

##### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	36

##### C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	6





## SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	16
Law courses (to be taken in fourth year)	13	

## Group IV Courses

Zoology 104, or Botany 100	4	
Entomology 101	3	7

## Group V Courses

Chemistry 101 and 132	8	
Geology 105	3	
Math. Electives	5	16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	<u>6</u>

Total hours in three years. . . . . 103

Law courses to complete requirement for degree. . . . . 27

Total Required for Degree in Agriculture. . . . . 130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.





**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs about \$35.

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	13 to 17	Total	15

Second Year

Bact. 104-Intro. Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
Total	16	Electives	2 or 3
		Total	17 or 18

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	Total	17
Total	18 or 19		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	18	Total	18

Total required for graduation. . . . . 130



### Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

#### Suggested Group I electives:

	<u>Hours</u>
Agr. Econ. 334--Marketing Dairy Products (II)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Sci. 380--Composition of Dairy Products (I)	3
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2
Vet. Path. and Hygiene 105--Animal Hygiene (I)	3

Group II: A minimum of 12 hours to be selected from art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, or speech.

#### Suggested Group II electives:

Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

#### Suggested Open electives:

Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3





UNIVERSITY OF ILLINOIS  
Curriculum in DAIRY TECHNOLOGY

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	Hours	Grade	Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.		Group I Earned:
Accy. 201	3		Hours	Grade	To be earned:
Bact. 104	5				
Chem. 101 or 102	5-3		Hours	Grade	
Chem. 105	5				
Chem. 122	5		Hours	Grade	
Chem. 133	5				
Da. Sci. 100	3		Hours	Grade	
Da. Sci. 150	2				
Da. Sci. 151	2		Hours	Grade	
Da. Tech. 101	3				
Da. Tech. 102	3		Hours	Grade	
Da. Tech. 301	3				
Da. Tech. 302	3		Hours	Grade	
Da. Tech. 303	3				
Da. Tech. 304	3		Hours	Grade	
Da. Tech. 306	3				
Econ. 108	3		Hours	Grade	
Math. 111 or 112	5-3				
Math. 114	2		Hours	Grade	
Hygiene	2				
Military	1		Hours	Grade	
Military	1				
Military	1		Hours	Grade	
Military	1				
P. E.	1		Hours	Grade	
P. E.	1				
P. E.	1		Hours	Grade	
P. E.	1				
Physics 101	5		Hours	Grade	
Physics 102	5				
Rhetoric 101	3		Hours	Grade	
Rhetoric 102	3				

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.





Floriculture Curriculum  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101 and 102-Destructive and Useful Insects	5
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	3 to 5
Military (men)	1		
Total	17 to 19	Total	16 to 18

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory System-atic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Flori-cultural Crops	3	Hort. 224-Commercial Flori-cultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18



Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Land- scape Architecture	3
		Electives	6 to 9
Total	<u>15 to 18</u>	Total	<u>15 to 18</u>

Group II--A minimum of four hours is required in English, foreign language, geography, history, landscape architecture, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	<u>Hours</u>
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 204-Spraying (II, alternate years)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3





UNIVERSITY OF ILLINOIS  
Curriculum in FLORICULTURE

35.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	CREDIT	GRADE		CREDIT	GRADE	SUMMARY
			Group II Minimum 4 hours selected from: Engl., For. Lang., Geog., Hist., L. Arch., Philos., Pol. Sci., Psych., Rhet., Sociol., Speech			Earned:
Accy. 101	3					
Accy. 105	3					
Agron. 201	5					
Bot. 100	4					To be
Bot. 130	5					earned:
Bot. 160	3					
Chem. 101 or 102	5-3		Open Electives			TOTAL HOURS
Chem. 132	3					EARNED:
Econ. 108	3					
Entom. 101	3					
Entom. 102	2					
Geol. 105	3					
Hort. 121	3					
Hort. 122	3					
Hort. 223	3					
Hort. 224	3					
Hort. 226	3					
Hort. 230	3					
Hort. 231	3					
Hort. 232	3					
Hort. 317	4					
Hort. 321	3					
Hort. 322	3					
L. Arch. 164	3					
L. Arch. 251	3					
L. Arch. 252	3					
Rhet. 101	3					
Rhet. 102	3					
Hyg.	2					
Mil.	1					
Mil.	1					
Mil.	1					
Mil.	1					
P. E.	1-1					
P. E.	1-1					

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.

A minimum average of 3.0 is required for graduation.





**Food Technology Curriculum**  
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is \$35.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry	
Hygiene 101-Health Lectures	2	and Qualitative Analysis	5
Math. 117-Combined Freshman		D.G.S. 112-Verbal Communication	4
Mathematics <sup>1/</sup>	5	Math. 127-Combined Freshman	
Physical Education	(1)	Mathematics <sup>1/</sup>	4
Military (men)	(1)	Physical Education	(1)
		Military (men)	(1)
Total	14 or 16	Total	17

Second Year

Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus <sup>2/</sup>	3	Math. 147-Calculus <sup>2/</sup>	3
Physics 103-General Physics		Physics 104-Gen. Physics (Elec.,	
(Mechanics, Heat, and Sound)	5	Magn., Light, and Mod. Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16

Third Year

Bact. 104-Intro. Bact.	5	Bact. 308-Food and Applied	
Chem. 247-Elem. Phys. Chem. <sup>3/</sup>	4	Bacteriology	5
F. T. 201-Elem. of Food Tech.	3	Chem. 249-Chemistry of Colloids <sup>3/</sup>	3
F. T. 260-Raw Materials for		F. T. 202-Elements of Food	
Processing	4	Technology	3
Electives	1	Electives	6
Total	17	Total	17

<sup>1/</sup> Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

<sup>2/</sup> Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

<sup>3/</sup> Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 247 and 249.

# THE UNIVERSITY OF CHICAGO

This document is intended to provide information to the public regarding the University's policies and procedures. It is not intended to be a legal document and should not be used as such. The University reserves the right to modify or change its policies and procedures at any time without notice.

Date	Description	Amount	Remarks
1/1/19	Jan 1st 1919	100.00	Jan 1st 1919
2/1/19	Feb 1st 1919	200.00	Feb 1st 1919
3/1/19	Mar 1st 1919	300.00	Mar 1st 1919
4/1/19	Apr 1st 1919	400.00	Apr 1st 1919
5/1/19	May 1st 1919	500.00	May 1st 1919
6/1/19	Jun 1st 1919	600.00	Jun 1st 1919
7/1/19	Jul 1st 1919	700.00	Jul 1st 1919
8/1/19	Aug 1st 1919	800.00	Aug 1st 1919
9/1/19	Sep 1st 1919	900.00	Sep 1st 1919
10/1/19	Oct 1st 1919	1000.00	Oct 1st 1919
11/1/19	Nov 1st 1919	1100.00	Nov 1st 1919
12/1/19	Dec 1st 1919	1200.00	Dec 1st 1919

Date	Description	Amount	Remarks
1/1/20	Jan 1st 1920	1300.00	Jan 1st 1920
2/1/20	Feb 1st 1920	1400.00	Feb 1st 1920
3/1/20	Mar 1st 1920	1500.00	Mar 1st 1920
4/1/20	Apr 1st 1920	1600.00	Apr 1st 1920
5/1/20	May 1st 1920	1700.00	May 1st 1920
6/1/20	Jun 1st 1920	1800.00	Jun 1st 1920
7/1/20	Jul 1st 1920	1900.00	Jul 1st 1920
8/1/20	Aug 1st 1920	2000.00	Aug 1st 1920
9/1/20	Sep 1st 1920	2100.00	Sep 1st 1920
10/1/20	Oct 1st 1920	2200.00	Oct 1st 1920
11/1/20	Nov 1st 1920	2300.00	Nov 1st 1920
12/1/20	Dec 1st 1920	2400.00	Dec 1st 1920

Date	Description	Amount	Remarks
1/1/21	Jan 1st 1921	2500.00	Jan 1st 1921
2/1/21	Feb 1st 1921	2600.00	Feb 1st 1921
3/1/21	Mar 1st 1921	2700.00	Mar 1st 1921
4/1/21	Apr 1st 1921	2800.00	Apr 1st 1921
5/1/21	May 1st 1921	2900.00	May 1st 1921
6/1/21	Jun 1st 1921	3000.00	Jun 1st 1921
7/1/21	Jul 1st 1921	3100.00	Jul 1st 1921
8/1/21	Aug 1st 1921	3200.00	Aug 1st 1921
9/1/21	Sep 1st 1921	3300.00	Sep 1st 1921
10/1/21	Oct 1st 1921	3400.00	Oct 1st 1921
11/1/21	Nov 1st 1921	3500.00	Nov 1st 1921
12/1/21	Dec 1st 1921	3600.00	Dec 1st 1921

This document is intended to provide information to the public regarding the University's policies and procedures. It is not intended to be a legal document and should not be used as such. The University reserves the right to modify or change its policies and procedures at any time without notice.

Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanita-	
Electives	3 or 4	tion in the Processing and	
		Handling of Foods	2
		Electives	5
Total	<u>16</u>	Total	<u>16</u>

Humanities and Social Studies Electives

A minimum of 15 hours shall be selected from courses in art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). . . . .130

A minimum average of 3.0 is required for graduation.





CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology

PREScribed COURSES:	credit	grade	HUMANITIES AND SOCIAL STUDIES--	
Bact. 104	5		Minimum of 15 semester hours from: Art, economics, English, foreign language, geography, history, journalism, landscape architecture, law, music, philosophy, political science, psychology, sociology, and speech.	Earned:
Bact. 308	5			
Botany 100	4			
Chem. 101 or 102	5-3			
Chem. 105	5			
Chem. 122	5			
Chem. 133	5			
Chem. 247 $\frac{1}{2}$	4			
Chem. 249 $\frac{1}{2}$	3			
Chem. 329	5			
Chem. 350	3		To be earned:	
Chem. 354 or 355	2-3			
D. G. S. 111	4			
D. G. S. 112	4			
F. T. 201	3			
F. T. 202	3			
F. T. 206	0			
F. T. 260	4			
F. T. 301	4			
F. T. 302	4			
F. T. 332	2		TOTAL HOURS	
F. T. 363	3			
Mathematics 117 $\frac{2}{2}$	5			
Mathematics 127	4			
Mathematics 137	3			
Mathematics 147	3			
Physics 103	5			
Physics 104	5			
Hygiene	2			
Military	1-1			
Military	1-1			
P. E.	1-1			
P. E.	1-1			

1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 247 and 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 112, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.

A minimum average of 3.0 is required for graduation.





Restaurant Management Curriculum  
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry; or Electives <sup>1/</sup>	5 or 3	Chem. 101 or 102-General Chemistry; or Electives <sup>1/</sup>	5 or 3
Hygiene 101-Health Lectures	2	Psych. 103-Human Behavior	4
Physiol. 103-Intro. to Human Physiology	4	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Speech 101-Principles of Effective Speaking	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	14 to 16	Total	15 to 17

Second Year

Chem. 132-Elem. Org. Chem.	3	Bact. 104-Intro. Bact.	5
English Literature	3	Econ. 108-Elements of Econ.	3
Home Econ. 130-Intro. Foods & Nutr.	2	English Literature	3
Soc. 100-Prin. of Soc.	3	Rhet. 151-Bus. Letter Writing	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 2
Total	15 to 17	Total	15 to 18

Third Year

Accy. 101-Prin. of Accg; or Accy. 201-Fund. of Accg. <sup>2/</sup>	3	Accy. 105-Accg. Procedure <sup>2/</sup> ; or Electives	3
An. Sci. 104-Sel. and Use of Meats	2	Econ. 248-Pers. Admin.	3
Bus. Law 261-Sum. of Bus. Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quan. Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Prin. of Marketing	3
Electives	2 or 3		
Total	16 or 17	Total	17

Fourth Year

Accy. 265-Hotel Accounting	3	Home Econ. 350-Instit. Dietaries and Administration	4
Home Econ. 253-Restaurant Interiors	3	Home Econ. 355-Adv. Quantity Cookery and Catering	3
Home Econ. 345-Institution Mgmt.	3	Mgmt. 204-Industrial Purchasing	3
Electives	7 to 9	Electives	5 to 8
Total	16 to 18	Total	15 to 18

Total required for graduation. . . . . 130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

<sup>1/</sup> Students taking Chem. 101 or 102 the first semester may take electives the second semester; those taking electives the first semester must take Chem. 101 or 102 the second semester.

<sup>2/</sup> Students who elect Accy. 101 must also take Accy. 105.



CHECK SHEET  
for degree, B.S. in Restaurant Management

40.

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE  
Office of Associate Dean

NAME \_\_\_\_\_  
DATE \_\_\_\_\_

PRESCRIBED COURSES	CREDIT	GRADE	PRESCRIBED	CREDIT	GRADE
Accy. 101 & 105 or Accy. 201	3-3		Rhet. 101	3	
Accy. 265	3		Rhet. 102	3	
	3		Rhet. 151	3	
Animal Sci. 104	2				
Bact. 104	5		Soc. 100	3	
Bus. Law 261	3		Speech 101	3	
Chem. 101 or 102	5-3		*Summer Practice 1	0	
Chem. 132	3		*Summer Practice 2	0	
Econ. 108	3		OPEN ELECTIVES:		
Econ. 240	3				
Econ. 248	3				
Engl. Lit. (total of	3-4				
Engl. Lit. (6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
P. E. M. or P. E. W.	1-1		AVERAGE (Minimum	TOTAL HOURS (130 hours, including PE and Mil.)	
P. E. M. or P. E. W.	1-1		of 3.0 required for graduation)		
Physiol. 103	4				
Psych. 103	4				

\*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.





## Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

### First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Elem. of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	18 or 20

### Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

### Electives

Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3









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1954-1955

# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture  
Urbana, Illinois

1954-55

ACA377 (Rev.)





# 522136a 1954/55 CONTENTS

	<u>Page</u>
Student Objectives	1
Student Plans and Student Guidance	1
Curricula and Majors as Educational Programs	5
Curricula of the College of Agriculture:	
General Agriculture Curriculum	7
Suggested Majors for Students in the General Agriculture Curriculum:	
Agricultural Extension	9
Agricultural Journalism	10-11
Agricultural Marketing	12
Animal or Poultry Science	13
Dairy Production	14
Farm Crops	15
Farm Management and Farm Finance	16
Mechanization	17
Rural Group Leadership	18
Pomology	19
Soil Conservation	15
Vegetable Crops	19
Vocational Agriculture (for Smith-Hughes teachers)	20
Agricultural Science Curriculum	23
Agricultural Science and Agr. Engineering, Five-Year Program	26
Agriculture and Law, Six-Year Program	29
Dairy Technology Curriculum	31
Floriculture Curriculum	34
Food Technology Curriculum	37
Restaurant Management Curriculum	40
Preforestry (Two-Year) Curriculum	42

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Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_, \_\_\_\_\_  
                                     (Number and Street)                      (Champaign or Urbana)

Home Address: \_\_\_\_\_  
                                     \_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Office Hours: \_\_\_\_\_

THE  
OFFICE OF THE  
SECRETARY OF THE  
NAVY  
WASHINGTON, D. C.  
JANUARY 1, 1900  
TO THE  
HONORABLE  
MEMBERS OF THE  
NAVY  
DEPARTMENT  
FROM  
THE  
SECRETARY OF THE  
NAVY  
SIR:  
I have the honor to acknowledge the receipt of your letter of the 29th inst. in relation to the proposed amendment to the regulations governing the appointment of naval officers to the grade of Lieutenant Junior Grade. I am sorry that I am unable to give you a more definite answer at this time, but the matter is being considered by the proper authorities and I will be glad to advise you as soon as a final decision has been reached.

Very respectfully,  
J. D. LONG  
Secretary of the Navy



## Student Objectives

Every student who enters upon a University program should begin immediately to set up an educational goal that fits his abilities and interests and has such appeal for him that he will exert the effort and make the sacrifices necessary to complete his chosen program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them actually complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way have no carefully chosen goals which they are determined to reach.

The importance of setting adequate goals for yourself is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted your understanding, the less likely you are to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with poorly defined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals you set must be individually chosen and must command your interests, loyalties, and devotion to a point that the effort and sacrifice necessary to attain them will be exerted.

The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty advisor.

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944.





The University has provided the following five main agencies to give you help and guidance in selecting and planning your individual program:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If you fail to become acquainted with your adviser, the purpose of the advisory plan is defeated. You may assume that your faculty adviser is glad to assist you.

It is particularly important for you to seek the counsel of your faculty adviser before and during registration in order that your program may be carefully planned. Far too often students turn to anyone who will sign a study list. This is likely to result in a short-sighted semester program which will not lead directly toward your objective.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time you wish to change programs or advisers, you should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. Do not hesitate to discuss your problems with your instructors. They are here to serve you. They can provide channels through which you may see new opportunities. To locate instructors, use the Director of Staff and Students.
4. The Dean and the Associate Dean of the college are responsible for administering suitable student programs as well as for keeping appropriate records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning your educational progress. You should feel free to call on this office with any problem on which you feel you need their help.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.



The Government has provided the following information in response to the request for information regarding the activities of the Department of Health and Human Services.

1. The Department of Health and Human Services is responsible for the health and welfare of the Nation. It is the largest and most complex of the Federal Government's departments.

2. The Department of Health and Human Services is composed of several major agencies, including the Centers for Disease Control and Prevention, the Food and Drug Administration, the National Institutes of Health, and the Social Security Administration. These agencies are responsible for a wide range of activities, including the regulation of food and drugs, the control of infectious diseases, the promotion of public health, and the provision of social security benefits.

It is the Department's policy to provide information to the public in a timely and accurate manner. The Department is committed to transparency and accountability in its operations. The Department's activities are subject to the oversight of the Congress and the courts.

3. The Department of Health and Human Services is committed to the highest standards of ethical conduct. The Department's employees are required to adhere to a strict code of ethics. The Department is also committed to the protection of the privacy of the information it collects and maintains.

4. The Department of Health and Human Services is committed to the advancement of science and technology. The Department supports a wide range of research and development activities. The Department is also committed to the dissemination of scientific information to the public.

5. The Department of Health and Human Services is committed to the improvement of the health care system. The Department supports a wide range of activities, including the regulation of health care providers, the promotion of quality improvement, and the provision of health care services to underserved populations.

6. The Department of Health and Human Services is committed to the protection of the environment. The Department supports a wide range of activities, including the regulation of environmental health risks, the promotion of environmental health, and the protection of public health from environmental hazards.

## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>EDUCATIONAL WORKERS</b>									
College Teachers (total)	143	5.61	115	\$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
<b>PROFESSIONAL TECHNICIANS</b>									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
<b>FARMERS &amp; FARM MANAGERS</b>									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	18	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2,033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19





## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>BUSINESS &amp; INDUSTRY</b>									
Managers and Supervisors	233	9.15	208	\$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
<b>MISCELLANEOUS PROFESSIONS &amp; OTHERS</b>									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
GRAND TOTAL	2,547	99.99	1,941	\$ 5,909	1,029	611	529	342	36





### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are education programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. Certain basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science (pages 22 to 24).

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. If desired, the student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.



REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1900

The work of the Department during the year 1900 has been characterized by a steady and continuous progress in all the various branches of the service.

The following is a summary of the work done:

1. General Administration	2. Inspection of Schools
3. Financial Administration	4. Technical Education
5. Physical Education	6. Moral Education
7. Social Education	8. Vocational Education
9. Special Education	10. Research and Statistics

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The following is a summary of the work done:

1. General Administration

2. Inspection of Schools

3. Financial Administration

4. Technical Education

5. Physical Education

6. Moral Education

The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to work in areas that call for broad training but not requiring a special foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

#### Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

Credit for courses in religion, up to ten hours, will be counted toward graduation. Religion credit may be applied toward completion of the humanities requirement in all curricula.

A total of ten hours of credit in special problems courses may be counted toward graduation in Agriculture and Home Economics curricula. Approval of the associate dean, department head, and instructor is necessary for the second or third special problems course in order to avoid duplication of credit.







General Agriculture Curriculum  
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, fruit production, rural group leadership, soil conservation, vegetable production, and others as agreed upon by the faculty. A minimum of 130 semester hours is required for graduation.

Suggested schedule of courses for the first two years:

First Semester		First Year		Second Semester		Hours
	Hours					
Bot. 100--General Botany	4	Chem. 111--General Chem.				5
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.				3
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology				4
Mil. & P. E.	2	Mil. & P. E.				2
Two courses from Group I	6	One course from Group I				3 or 4
Total	17	Total				17 or 18
Second Year						
Chem. 132--Elem. Org. Chem. <sup>1/</sup>	3	Econ. 108--Elem. of Econ.				3
Geol. 105--Agric. Geology	3	Mil. & P. E.				2
Mil. & P. E.	2	Two courses from Group I				6
Three courses from Group I	9	Electives				5 or 6
	17					16 or 17

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses, normally completed during the first two years:

Courses	Hours
Agr. Econ. 100--Introductory Agr. Economics <sup>2/</sup>	3
Agr. Eng. 101--Introduction to Agr. Engineering <sup>3/</sup>	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Horticulture elective	3
TOTAL. . . . .	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

- <sup>1/</sup> Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.
- <sup>2/</sup> Students entering as juniors or seniors should substitute Agr. Econ. 220 or 230 for Agr. Econ. 100.
- <sup>3/</sup> Agr. Eng. 111 and 112 may be substituted for Agr. Eng. 101.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	Credit	Grade		Credit	Grade	
Agr. Econ. 100	3					Earned:
Agr. Eng. 101	3					
Agronomy 121	4					To be
Agronomy 201	5					earned:
An. Sci. 101	3					
An. Sci. 102	3					A TRANSFER
Da. Sci. 100	3					STUDENT
Hort. 100	3					MUST EARN
Forestry 101 or 102 or Hort. elective	3					AT LEAST
Total Hours	30					1/2 OF HIS
						AGR. HOURS IN
						RESIDENCE
						AT THE UNIV.
						OF ILLINOIS
NON-AGRICULTURE PRESCRIBED:			HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: art, econ., for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech.			
Botany 100	4			credit	grade	
Chemistry 111	5					
Chemistry 132	3					
Economics 108	3					Earned:
Geology 105	3					
Hygiene	2					To be
Rhetoric 101	3					earned:
Rhetoric 102	3					
			OPEN ELECTIVES:			
						TOTAL HOURS
Zoology 104	4					
Military	1					
Military	1					
Military	1					
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. As a rule, new graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser's position after five years' experience.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agriculture 114--Agricultural Information Methods (I, II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 208--Agricultural Extension: Summer Training (S)	2
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3

### Other Courses:

English or American Literature	3
Entomology 101--Agricultural Entomology (I, II)	3
History	3
Philosophy 101, 102, 103, 104, or 105	2-4
Political Science 150--American Government: Organ. & Powers (I, II)	3
Psychology 100--Introduction to Psychology (I, II)	4
Recreation 270--Social Recreation Activities (I, II)	2
Recreation 273--Recreation in Rural Areas (II)	2
Sociology 100--Principles of Sociology (I, II) or,	3
Sociology 277--Rural Social Problems (I)	3
Speech 101--Principles of Effective Speaking (I, II)	3

1. The first step in the process of identifying a problem is to determine the nature of the problem. This involves a thorough understanding of the situation and the factors that may be contributing to the problem. Once the nature of the problem is understood, the next step is to identify the causes of the problem. This involves a detailed analysis of the situation and the factors that may be contributing to the problem. Once the causes of the problem are identified, the next step is to develop a plan of action to address the problem. This involves determining the steps that need to be taken to address the problem and the resources that will be needed to implement the plan. Once a plan of action has been developed, the next step is to implement the plan. This involves carrying out the steps that have been identified in the plan of action. Finally, the last step in the process is to evaluate the results of the plan. This involves determining whether the plan has been successful in addressing the problem and whether any adjustments need to be made.

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## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio or television, advertising, sales, public relations, college editorial work and other fields requiring training in both agriculture and journalism. Two options are available:

- I. Bachelor of Science in Agriculture with a minor in Journalism.
- II. Bachelor of Science in Journalism with a minor in Agriculture.

Students who desire to follow either option of the combined agriculture-journalism program should consult with the Associate Dean of Agriculture or the Director of the School of Journalism as early as possible and be assigned to an appropriate adviser.

Option I. For the Bachelor of Science in Agriculture with a minor in Journalism, the student will enroll in the College of Agriculture, general agriculture curriculum, and complete all requirements of that curriculum. In addition to the prescribed courses of the curriculum, he must also complete the following courses:

	<u>Hours</u>
Agriculture 114--(Same as Journ. 114) Agricultural Information Methods (I, II)	3
Journalism 204--Typography (I, II)	2
Journalism 211--Reporting (I, II)	3
Journalism 321--Copyreading (I, II)	4
Electives in Journalism	8
TOTAL	<u>20</u>

The journalism electives are to be chosen from the following courses: Journ. 215 (also Agric. 215), 223, 227, 261, 281, 282, 323, 328, 351, 365, and 382.

All of the courses taken in journalism may be counted as humanities and social studies or as open electives in the general agriculture curriculum. Students following this option complete all four years while enrolled in the College of Agriculture.

Option II. For the Bachelor of Science in Journalism with a minor in Agriculture, the student may take his first two years of work in the College of Agriculture or in the College of Liberal Arts and Sciences. In this option, the student must complete a minimum of twenty semester hours in agriculture courses as follows:

<u>Required Agriculture Courses:</u>	<u>Hours</u>
Agronomy 121--Crop Production (I, II)	4
Animal Science 102--Principles of Feeding (I, II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Approved Electives in Agriculture	10
TOTAL	<u>20</u>

THE HISTORY OF THE UNITED STATES OF AMERICA

The history of the United States of America is a story of the growth of a nation from a collection of small, isolated colonies to a great, unified country. It is a story of the struggles of the people to establish a government that would protect their rights and promote their welfare.

- I. The early years of the colonies.
- II. The struggle for independence.
- III. The formation of the new government.
- IV. The early years of the new government.

The early years of the colonies were a time of great struggle and hardship. The settlers had to fight against the elements of nature and the hostility of the native Americans. They had to establish a government that would protect their rights and promote their welfare.

The struggle for independence was a long and hard one. The colonists fought against the British for many years. They finally won their independence in 1776. The new government was then formed.

- V. The early years of the new government.
- VI. The struggle for the abolition of slavery.
- VII. The Civil War.
- VIII. The Reconstruction period.
- IX. The Gilded Age.
- X. The Progressive Era.

The early years of the new government were a time of great struggle and hardship. The settlers had to fight against the elements of nature and the hostility of the native Americans. They had to establish a government that would protect their rights and promote their welfare.

The struggle for the abolition of slavery was a long and hard one. The abolitionists fought against the slaveholders for many years. They finally won their freedom in 1863.

The Civil War was a great and bloody conflict. It was fought between the North and the South. The North won the war, and the South was then reconstructed.

- XI. The Gilded Age.
- XII. The Progressive Era.
- XIII. The World War period.
- XIV. The New Deal.
- XV. The Cold War.
- XVI. The Vietnam War.
- XVII. The Watergate scandal.
- XVIII. The Reagan Revolution.
- XIX. The Clinton years.
- XX. The Bush years.
- XXI. The Obama years.
- XXII. The Trump years.

These twenty hours may be substituted for the twenty hours of advanced social studies required for graduation by the School of Journalism. The agricultural electives are to be chosen from the following courses: Agr. Eng. 111, 112; Agr. Econ. 305; Agron. 201; An. Sci. 201, 301, 303, or 304; Da. Sci. 100; Forestry 101; Hort. 100; and Rural Sociology.

After two years of pre-journalism work in Agriculture or Liberal Arts and Sciences, the student then transfers to the School of Journalism and Communications for two years of professional training. If the first two years are taken in the College of Agriculture, the student will find it advantageous to include in his program those agriculture courses from the above listing which are open to freshmen and sophomores. The remaining agriculture requirements may be completed during the junior and senior years. Since some of the required and recommended agriculture courses have prerequisites of basic science courses (Botany 100, Chemistry 101 or 102 or Geology 105), it is advisable to elect these courses during the first two years also.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and co-operative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:Hours

Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 378--Consumers and the Market (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

\* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:Hours

Animal Science 103--Breeds and Market Classes and Grades of Livestock (I)	3
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 105--Animal Hygiene (I)	3
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (II)	3
One or more of the following:	
Animal Science 206--Light Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (II)	3 or 4
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 332--Livestock Marketing (II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agonomy 322--Forage Crops and Pastures (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

<u>Agricultural Courses:</u>	<u>Hours</u>
Dairy Science 104--Dairy Cattle Judging (I, II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 201--Reproduction, Genetics, and Improvement of Dairy Cattle (I)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Animal Science 105--Animal Hygiene (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
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1. The purpose of this report is to provide a summary of the research conducted by the Great Lakes Fish and Wildlife Commission during the winter of 1974-75. The report is organized into two main sections: a summary of the research and a list of the research projects.

SUMMARY OF RESEARCH	
1. The purpose of this report is to provide a summary of the research conducted by the Great Lakes Fish and Wildlife Commission during the winter of 1974-75. The report is organized into two main sections: a summary of the research and a list of the research projects.	
2. The research was conducted by the Great Lakes Fish and Wildlife Commission during the winter of 1974-75. The research was organized into two main sections: a summary of the research and a list of the research projects.	
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11. The research was conducted by the Great Lakes Fish and Wildlife Commission during the winter of 1974-75. The research was organized into two main sections: a summary of the research and a list of the research projects.

## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 324--Principles of Field Plot Experimentation (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Entomology 101--Agricultural Entomology (I, II)	3
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 303--Soil Productivity, Its Variation, Modification, and Conservation (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (I)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Forestry 102--Farm Forestry (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.

Agricultural Courses:Hours

Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 277--Rural Social Problems (I)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Genesis, Morphology, Classification, and Geography of Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Agricultural Entomology (I, II) <u>or</u>	3
Entomology 103--Life of Insects (II)	4



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

Agricultural Courses:Hours

Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Gasoline, Liquid Petroleum Gas, and Diesel Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 324--Farm Operation (II)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3



# THEORY OF THE EARTH AND ITS HISTORY

The theory of the earth and its history is a branch of geology which deals with the origin and development of the earth and its various parts. It is a science which seeks to explain the processes which have shaped the earth and its features, and to determine the sequence of events which have taken place since the earth was first formed.

## THE EARTH AND ITS HISTORY

- (1) The earth is a sphere, and its surface is covered by water and land.
- (2) The earth is composed of various layers, and its interior is hot.
- (3) The earth has a history, and its features have been shaped by various processes.
- (4) The earth is constantly changing, and its features are always in the process of being formed.
- (5) The earth is a dynamic system, and its various parts are constantly interacting with each other.
- (6) The earth is a complex system, and its history is a complex one.
- (7) The earth is a unique system, and its history is a unique one.
- (8) The earth is a valuable system, and its history is a valuable one.
- (9) The earth is a beautiful system, and its history is a beautiful one.
- (10) The earth is a wonderful system, and its history is a wonderful one.

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## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, ministry, social welfare, recreation, library, foreign service,<sup>1/</sup> etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

<u>Suggested Agricultural Courses:</u>	<u>Hours</u>
Agriculture 206--Agricultural Extension (II)	3
Agriculture 215--Advanced Agricultural Information Methods (I, II)	3
Agr. Economics 201--Economic Relationships of Agriculture or Agr. Economics 211--Agricultural Economies of Latin-American Countries (I)	3
Agr. Economics 218--Land Economics (II)	3
Agr. Economics 273--Recreation in Rural Areas (Same as Recreation 273) (II)	2
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3
Rural Sociology 277--Rural Social Problems (I), or Rural Sociology 297--Rural Social Movements, Farmers' Organizations and Social Policy (II)	3
Rural Sociology 317--Structure and Function of Rural Society in America, or Rural Sociology 377--Rural Community Organization and Analysis (I)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 361--Development and Function of Family Housing (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
<u>Other Courses:</u>	
Philosophy 101--Introduction to Philosophy (I, II)	3
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 101 or 102--Principles and Problems of Government (I)	4
Political Science 150--American Government (I, II)	3
Psychology 103--Human Behavior (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Anthropology 103--Introduction to Anthropology (I, II)	3
Sociology 271--Sociology of the Region (I or II)	3
Sociology 212--Culture Patterns and the Individual (I, II)	3
Sociology 225--Racial and Cultural Minorities (I, II)	3
Economics 170--Elements of Statistics (I, II)	3

<sup>1/</sup> A student who expects to work in a foreign country should take some foreign language (French, Spanish, German, etc.)





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 162--Small Fruit Culture (II)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 308--Vegetable and Canning Crop Diseases (II, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 101--Agricultural Entomology (I, II)	3



General Agriculture Curriculum with Major in Teacher Training  
(for the degree, Bachelor of Science in Agriculture)

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bot. 100-General Botany	4	Chem. 111-General Chem- istry	5
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comm. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	15 to 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Struc- tures and Soil and Water Con- servation	3
Educ. 101-The Nature of the Teach- ing Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
Agricultural Electives	3 to 6	Hist. 152-History of U. S.	3
Total	15 to 18	Agricultural Electives	6
		Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Pro- cedures in Agr. Education	5	Electives (including 2 hours of humanities) <sup>2/</sup>	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production <sup>1/</sup> or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. . . . . 130

<sup>1/</sup> Da. Sci. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.





Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Hort. elective	<u>3</u>
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311--Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312--Mental Hygiene and the School	1/2	Educ. 301--Philos. of Educ.	1/2
Electives	1	Educ. 302--Hist. of Am. Educ.	1/2
		Educ. 303--Comparative Educ.	1/2
		Educ. 304--Social Foundations of Education	1/2
		Electives	<u>1</u>
Total	<u>4</u>	Total	<u>4</u>

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR IN TEACHER TRAINING--For the Degree,  
Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			
	credit	grade		credit	grade	
Agr. Econ. 100	3					Earned:
Agr. Econ. 220	3					
Agr. Eng. 111	3					To be
Agr. Eng. 112	3					earned:
Agron. 121	4					A TRANSFER
Agron. 201	5					STUDENT
An. Sci. 101	3					MUST EARN
An. Sci. 102	3					AT LEAST
Da. Sci. 100	3					1/2 OF HIS
Hort. 100	3					AGR. HOURS
Forestry 101 or 102, or Hort. elective	3					IN RESI-
Total	36					DENCE AT
						THE UNIV.
						OF ILLI-
						NOIS
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 100	4		History 152	3		
Chemistry 111	5		Pol. Sci. 150	3		
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities electives (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric 102	3		Education 101	2		
Speech 101	3		Education 201	2		
Zoology 104	4		Education 211	3		
Hygiene	2		Education (6b) 240	2		
Military	1		Agr. Educ. (50) 276	5		
Military	1		Agr. Educ. (51) 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.



Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

- Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
- Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy, Religion)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 $\frac{2}{2}$
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 $\frac{1}{2}$	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 $\frac{1}{2}$	16
Electives, Unrestricted	<u>22</u>	<u>35</u>
TOTAL required for graduation	130	130

1/ All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

2/ Students in Option II must include at least 8 semester hours in Economics.



# THE UNIVERSITY OF CHICAGO DEPARTMENT OF CHEMISTRY

The following is a list of the names of the students who have been admitted to the Department of Chemistry for the year 1955-1956. The names are listed in alphabetical order of their last names. The names of the students who have been admitted to the Department of Chemistry for the year 1955-1956 are listed in alphabetical order of their last names. The names of the students who have been admitted to the Department of Chemistry for the year 1955-1956 are listed in alphabetical order of their last names.

The following is a list of the names of the students who have been admitted to the Department of Chemistry for the year 1955-1956. The names are listed in alphabetical order of their last names. The names of the students who have been admitted to the Department of Chemistry for the year 1955-1956 are listed in alphabetical order of their last names. The names of the students who have been admitted to the Department of Chemistry for the year 1955-1956 are listed in alphabetical order of their last names.

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First Name	Last Name	Address
John	Smith	1234 Main Street, Chicago, Ill.
James	Johnson	5678 Elm Street, Chicago, Ill.
Robert	Williams	9012 Oak Street, Chicago, Ill.
Richard	Brown	3456 Pine Street, Chicago, Ill.
Thomas	Miller	7890 Maple Street, Chicago, Ill.
Charles	Davis	2345 Cedar Street, Chicago, Ill.
William	Garcia	6789 Birch Street, Chicago, Ill.
Joseph	Wilson	1011 Walnut Street, Chicago, Ill.
Thomas	Anderson	4321 Spruce Street, Chicago, Ill.
John	Moore	8765 Ash Street, Chicago, Ill.
James	Clark	2109 Hickory Street, Chicago, Ill.
Robert	White	6543 Sycamore Street, Chicago, Ill.
Richard	Green	9876 Chestnut Street, Chicago, Ill.
Thomas	Black	3210 Poplar Street, Chicago, Ill.
Charles	Adams	7654 Magnolia Street, Chicago, Ill.
William	Nelson	1987 Dogwood Street, Chicago, Ill.
Joseph	Phillips	5432 Redwood Street, Chicago, Ill.
Thomas	Carter	9010 Juniper Street, Chicago, Ill.
John	Meyer	2567 Cypress Street, Chicago, Ill.
James	Baker	6890 Fir Street, Chicago, Ill.
Robert	Scott	1234 Hawthorn Street, Chicago, Ill.
Richard	Wright	5678 Linden Street, Chicago, Ill.
Thomas	King	9012 Mulberry Street, Chicago, Ill.
Charles	Green	3456 Norway Street, Chicago, Ill.
William	Allen	7890 Sassafras Street, Chicago, Ill.
Joseph	Young	2109 Yew Street, Chicago, Ill.
Thomas	Wells	6543 Zebra Street, Chicago, Ill.
John	Long	1011 Aardvark Street, Chicago, Ill.
James	Green	4321 Bear Street, Chicago, Ill.
Robert	White	8765 Cat Street, Chicago, Ill.
Richard	Black	2109 Dog Street, Chicago, Ill.
Thomas	King	6543 Fish Street, Chicago, Ill.
Charles	Adams	1011 Goat Street, Chicago, Ill.
William	Nelson	4321 Horse Street, Chicago, Ill.
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John	Meyer	6543 Key Street, Chicago, Ill.
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Thomas	Carter	1011 Unicorn Street, Chicago, Ill.
John	Meyer	4321 Vulture Street, Chicago, Ill.
James	Baker	8765 Wolf Street, Chicago, Ill.
Robert	Scott	2109 X-ray Street, Chicago, Ill.
Richard	Wright	6543 Yacht Street, Chicago, Ill.
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John	Meyer	1011 Fish Street, Chicago, Ill.
James	Baker	4321 Goat Street, Chicago, Ill.
Robert	Scott	8765 Horse Street, Chicago, Ill.
Richard	Wright	2109 Insect Street, Chicago, Ill.
Thomas	King	6543 Jewel Street, Chicago, Ill.
Charles	Adams	1011 Key Street, Chicago, Ill.
William	Nelson	4321 Leaf Street, Chicago, Ill.
Joseph	Phillips	8765 Nod Street, Chicago, Ill.
Thomas	Carter	2109 Owl Street, Chicago, Ill.
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Richard	Wright	6543 Bear Street, Chicago, Ill.
Thomas	King	1011 Cat Street, Chicago, Ill.
Charles	Adams	4321 Dog Street, Chicago, Ill.
William	Nelson	8765 Fish Street, Chicago, Ill.
Joseph	Phillips	210

Agricultural Science Curriculum - Option I  
Sample program for first year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chemistry and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry <sup>1/</sup>	2
Math. 111 or 112-College Algebra <sup>1/</sup>	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	<u>3 to 6</u>
Electives	<u>0 to 5</u>	Total	<u>15 to 18</u>
Total	15 to 18		

Second, Third, and Fourth Years

The programs for the second, third, and fourth years must be planned in consultation with the student's faculty adviser.

Total required for graduation. . . . . 130

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.





COLLEGE OF AGRICULTURE  
Office of Associate Dean

Date \_\_\_\_\_ Name \_\_\_\_\_  
Option and field selected \_\_\_\_\_

AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.  
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)

	Credit	Grade
Rhet. 101	3	
Rhet. 102	3	
Hygiene	2	
Military	1	
Military	1	
Military	1	
Military	1	
P. E.	1	
P. E.	1	
P. E.	1	
P. E.	1	

GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I--Minimum of 6 hrs.; Option II--Minimum of 16 hrs.\*

Credit Grade

GROUP I--College of Agriculture Courses  
Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours in residence at the Univ. of Ill.

GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 10 hrs\*; Option II--Minimum of 6 hrs.

GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs\*; Option II--Minimum of 16 hrs.

GROUP II--Humanities (Art, music, lang., lit., philos., relig.) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.

Open Electives:

Total hours earned \_\_\_\_\_

\* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.





Agricultural Science and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 22) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year  
(Enroll in College of Agriculture)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Elem. of Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg. <sup>1/</sup>	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig. <sup>1/</sup>	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm. Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 143-Calculus	5
G.E. 102-Descriptive Geometry	3	Physics 106-Mechanics	4
Math. 133-Calculus	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective <sup>2/</sup>	3
Total	15	Total	17

<sup>1/</sup> Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

<sup>2/</sup> See page 27 for a listing of approved electives.



• 1998 •

<u>Third Year</u>			
<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Electives <sup>1/</sup>	3
Approved Electives <sup>1/</sup>	3		
Total	<u>17</u>	Total	<u>15</u>

## POWER AND MACHINERY OPTION

<u>Fourth Year</u> (Student may transfer to College of Engineering)			
Agr. Eng. 231-Farm Machine Char- acteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 202-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Electives <sup>1/</sup>	3
T.A.M. 223-Resistance of Ma- terials Laboratory	1		
Total	<u>16</u>	Total	<u>17</u>

<u>Fifth Year</u> (Latest date to transfer to College of Engineering)			
Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agri- cultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agri. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Proc- esses	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives <sup>1/</sup>	6
Approved Electives <sup>1/</sup>	6 or 7	Total	<u>15</u>
Total	<u>15 or 16</u>		

<sup>1/</sup> See page 27 for a listing of approved electives.

# Table 1

Year	Value	Year	Value
1950	100	1950	100
1951	105	1951	105
1952	110	1952	110
1953	115	1953	115
1954	120	1954	120
1955	125	1955	125
1956	130	1956	130
1957	135	1957	135
1958	140	1958	140
1959	145	1959	145
1960	150	1960	150

## Table 2

### Table 3

Table 4

Year	Value	Year	Value
1950	100	1950	100
1951	105	1951	105
1952	110	1952	110
1953	115	1953	115
1954	120	1954	120
1955	125	1955	125
1956	130	1956	130
1957	135	1957	135
1958	140	1958	140
1959	145	1959	145
1960	150	1960	150

### Table 5

Table 6

Year	Value	Year	Value
1950	100	1950	100
1951	105	1951	105
1952	110	1952	110
1953	115	1953	115
1954	120	1954	120
1955	125	1955	125
1956	130	1956	130
1957	135	1957	135
1958	140	1958	140
1959	145	1959	145
1960	150	1960	150

Table 7



## STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year

(Student may transfer to College of Engineering)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Electives	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year

(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agri. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
Approved Electives	6		
Total	16	Total	14 to 16

Approved Electives must include the following:

- (1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)
- (2) 6 hours humanities (art, music, language, literature, philosophy, religion)
- (3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)
- (4) 2 hours more in agriculture in Power and Machinery Option.  
5 hours more in agriculture in Structures, Soil and Water Engineering Option.
- (5) Sufficient open electives to total 160 hours.



## Six-Year Program in Agriculture and Law

A plan has been agreed upon between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, option II (See page 22). Students following this program should ask to be assigned an advisor for the six-year program in Agriculture and Law.

### SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

#### A. Required courses

Rhetoric	6	
Hygiene	2	
Military	4	
Physical Education	4	16

#### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12	
Agricultural Engineering 111	3	
Agronomy 121 and 201	9	
Animal Science 101, 102	6	
Dairy Production 100	3	
Horticulture 100	3	36

#### C. Suggested courses to meet requirement of 44 hours from groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

Group II Courses		
Philosophy 104	4	
Humanities Elective	2	6





## SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108, 109, and 250	9	
Political Science 150	3	
Psychology 100	4	16

## Group IV Courses

Zoology 104, or Botany 100	4	
Entomology 101	3	7

## Group V Courses

Chemistry 101 or 111, and 132	8	
Geology 105	3	
Math. Electives	5	16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	<u>6</u>

Total hours in three years. . . . .	103
Law courses to complete requirement for degree. . . . .	<u>27</u>
Total Required for Degree in Agriculture. . . . .	130

Note: The 102 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.





**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs about \$35.

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	<u>13 to 17</u>	Total	<u>15</u>

Second Year

Bact. 104-Elementary Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
Total	<u>16</u>	Electives	<u>2 or 3</u>
		Total	<u>17 or 18</u>

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	<u>2 or 3</u>	Total	<u>17</u>
Total	<u>18 or 19</u>		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
Total	<u>18</u>	Total	<u>18</u>

Total required for graduation. . . . . 130



## Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

### Suggested Group I electives:

	<u>Hours</u>
Agr. Econ. 334--Marketing Dairy Products (II)	3
An. Sci. 105--Animal Hygiene (I)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2

Group II: A minimum of 12 hours to be selected from art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

### Suggested Group II electives:

Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

### Suggested Open electives:

Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3



and the health of the Nation. It is the policy of the United States to support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.

Section 1. General Principles

- (a) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (b) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (c) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.

The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China. The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.

Section 2. Specific Principles

- (a) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (b) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (c) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.

Section 3. Concluding Principles

- (a) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (b) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.
- (c) The United States will support the efforts of the people of the Republic of China to maintain their freedom and independence and to resist the aggression of the People's Republic of China.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	Hours	Grade	Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.		Group I Hours earned:
Accy. 201	3				
Bact. 104-105	5				
Chem. 101 or 102	5-3				Hours to be earned:
Chem. 105	5				
Chem. 122	5				
Chem. 133	5				
Da. Sci. 100	3				
Da. Sci. 150	2				
Da. Sci. 151	3				
Da. Tech. 101	3				
Da. Tech. 102	3				
Da. Tech. 301	3		Group II--Minimum of 12 hours selected from Art., Econ., For. Lang., Geog., Hist., Journ., Land. Arch., Law, Lit., Music, Philos., Pol. Sci., Psych., Religion, Sociol., Speech.		Group II Earned:
Da. Tech. 302	3				
Da. Tech. 303	3				
Da. Tech. 304	3				
Da. Tech. 306	3				
Econ. 108	3				Hours to be earned:
Math. 111 or 112	5 - 3				
Math. 114	2				
Hygiene	2				
Military	1				
Military	1				
Military	1				
Military	1				
P. E.	1				
P. E.	1				
P. E.	1				
P. E.	1				
Physics 101	5				
Physics 102	5				
Rhetoric 101	3				
Rhetoric 102	3				
			Open Electives	Hours	Grade
					TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.





Floriculture Curriculum  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$25.

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry	3
Chem. 101 or 102-General Chemistry	5 or 3	Entom. 101--Agricultural Entomology	3
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	5 to 7
Military (men)	1	Total	16 to 18
Total	17 to 19		

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory System-atic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Flori-cultural Crops	3	Hort. 224-Commercial Flori-cultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18

THE HISTORY OF THE UNITED STATES OF AMERICA  
FROM 1789 TO 1861

The history of the United States from 1789 to 1861 is a story of growth and change. It is a story of the struggle for independence, of the struggle for freedom, and of the struggle for unity. It is a story of the people who built this nation, and of the people who have lived in it since. It is a story of the past, and of the future.

1789-1800		1801-1820	
1789	September 17th - The Constitution is signed.	1801	January 20th - Thomas Jefferson is inaugurated as President.
1790	September 8th - The first Congress meets in New York City.	1802	February 3rd - The Louisiana Purchase is announced.
1791	September 16th - The Bill of Rights is passed.	1803	April 4th - The Lewis and Clark expedition begins.
1792	September 16th - The first presidential election is held.	1804	June 15th - The War of 1812 begins.
1793	September 16th - The first presidential inauguration is held.	1805	June 15th - The War of 1812 ends.
1794	September 16th - The first presidential term ends.	1806	June 15th - The War of 1812 begins.
1795	September 16th - The first presidential term begins.	1807	June 15th - The War of 1812 ends.
1796	September 16th - The first presidential term ends.	1808	June 15th - The War of 1812 begins.
1797	September 16th - The first presidential term begins.	1809	June 15th - The War of 1812 ends.
1798	September 16th - The first presidential term ends.	1810	June 15th - The War of 1812 begins.
1799	September 16th - The first presidential term begins.	1811	June 15th - The War of 1812 ends.
1800	September 16th - The first presidential term ends.	1812	June 15th - The War of 1812 begins.
1801	September 16th - The first presidential term begins.	1813	June 15th - The War of 1812 ends.
1802	September 16th - The first presidential term ends.	1814	June 15th - The War of 1812 begins.
1803	September 16th - The first presidential term begins.	1815	June 15th - The War of 1812 ends.
1804	September 16th - The first presidential term ends.	1816	June 15th - The War of 1812 begins.
1805	September 16th - The first presidential term begins.	1817	June 15th - The War of 1812 ends.
1806	September 16th - The first presidential term ends.	1818	June 15th - The War of 1812 begins.
1807	September 16th - The first presidential term begins.	1819	June 15th - The War of 1812 ends.
1808	September 16th - The first presidential term ends.	1820	June 15th - The War of 1812 begins.
1809	September 16th - The first presidential term begins.		
1810	September 16th - The first presidential term ends.		
1811	September 16th - The first presidential term begins.		
1812	September 16th - The first presidential term ends.		
1813	September 16th - The first presidential term begins.		
1814	September 16th - The first presidential term ends.		
1815	September 16th - The first presidential term begins.		
1816	September 16th - The first presidential term ends.		
1817	September 16th - The first presidential term begins.		
1818	September 16th - The first presidential term ends.		
1819	September 16th - The first presidential term begins.		
1820	September 16th - The first presidential term ends.		

Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Land- scape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

Group II--A minimum of four hours is required in foreign language, geography, history, landscape architecture, literature, philosophy, political science, psychology, rhetoric, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	<u>Hours</u>
Agron. 323-Improvement of Farm Crops by Breeding (I)	3
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort 382-Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 271-Salesmanship (I, II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3





UNIVERSITY OF ILLINOIS  
Curriculum in FLORICULTURE

36.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	CREDIT	GRADE		CREDIT	GRADE	SUMMARY
Accy. 101	3		Group II Minimum 4 hours selected from: For. Lang., Geog., Hist., L. Arch., Lit., Philos., Pol. Sci., Psych., Sociol., Speech			Earned:
Accy. 105	3					
Agron. 201	5					
Bot. 100	4					
Bot. 130	5					
Bot. 160	3					To be earned:
Chem. 101 or 102	5-3		Open Electives			TOTAL HOURS EARNED:
Chem. 132	3					
Econ. 108	3					
Entom. 101	3					
Geol. 105	3					
Hort. 121	3					
Hort. 122	3					
Hort. 223	3					
Hort. 224	3					
Hort. 226	3					
Hort. 230	3					
Hort. 231	3					
Hort. 232	3					
Hort. 317	4					
Hort. 321	3					
Hort. 322	3					
L. Arch. 164	3					
L. Arch. 251	3					
L. Arch. 252	3					
Rhet. 101	3					
Rhet. 102	3					
Hyg.	2					
Mil.	1					
Mil.	1					
Mil.	1					
Mil.	1					
P. E.	1-1					
P. E.	1-1					

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.

A minimum average of 3.0 is required for graduation.

NAME	RANK	REGIMENT	COMPANY	SERIAL NUMBER
JAMES JAMES		1st 2nd 3rd 4th 5th	1 2 3 4 5	101 102 103 104 105
JOHN JOHN		6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd 54th 55th 56th 57th 58th 59th 60th 61st 62nd 63rd 64th 65th 66th 67th 68th 69th 70th 71st 72nd 73rd 74th 75th 76th 77th 78th 79th 80th 81st 82nd 83rd 84th 85th 86th 87th 88th 89th 90th 91st 92nd 93rd 94th 95th 96th 97th 98th 99th 100th	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200



**Food Technology Curriculum**  
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is \$35.

<u>First Year</u>			
<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry	
Hygiene 101-Health Lectures	2	and Qualitative Analysis	5
Math. 117-Combined Freshman		D.G.S. 112-Verbal Communication	4
Mathematics <sup>1/</sup>	5	Math. 127-Combined Freshman	
Physical Education	(1)	Mathematics <sup>1/</sup>	4
Military (men)	(1)	Physical Education	(1)
		Military (men)	(1)
Total	14 or 16	Total	17

<u>Second Year</u>			
Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus <sup>2/</sup>	3	Math. 147-Calculus <sup>2/</sup>	3
Physics 103-General Physics		Physics 104-Gen. Physics (Elec.,	
(Mechanics, Heat, and Sound)	5	Magn., Light, and Mod. Physics)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16

<u>Third Year</u>			
Bact. 104-Elem. Bact.	5	Bact. 308-Food and Industrial	
Chem. 347-Elem. Phys. Chem. <sup>3/</sup>	4	Microbiology	5
F. T. 201-Elem. of Food Tech.	3	Chem. 249-Chemistry of Colloids <sup>3/</sup>	3
F. T. 260-Raw Materials for		F. T. 202-Elements of Food	
Processing	4	Technology	3
Electives	1	Electives	6
Total	17	Total	17

<sup>1/</sup> Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

<sup>2/</sup> Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

<sup>3/</sup> Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 347 and 249.



Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanita-	
Electives	3 or 4	tion in the Processing and	
		Handling of Foods	2
		Electives	<u>5</u>
Total	<u>16</u>	Total	16

Humanities and Social Studies Electives

A minimum of 15 hours must be selected from courses in art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). . . . .130

A minimum average of 3.0 is required for graduation.



# Index

Page	Subject	Page	Subject
1	General Introduction	1	General Introduction
2	Chapter I. The History of the Subject	2	Chapter I. The History of the Subject
3	Chapter II. The Principles of the Subject	3	Chapter II. The Principles of the Subject
4	Chapter III. The Methods of the Subject	4	Chapter III. The Methods of the Subject
5	Chapter IV. The Applications of the Subject	5	Chapter IV. The Applications of the Subject
6	Chapter V. The Conclusions of the Subject	6	Chapter V. The Conclusions of the Subject
7	Chapter VI. The Future of the Subject	7	Chapter VI. The Future of the Subject
8	Chapter VII. The Summary of the Subject	8	Chapter VII. The Summary of the Subject
9	Chapter VIII. The Index of the Subject	9	Chapter VIII. The Index of the Subject
10	Chapter IX. The Bibliography of the Subject	10	Chapter IX. The Bibliography of the Subject
11	Chapter X. The Glossary of the Subject	11	Chapter X. The Glossary of the Subject
12	Chapter XI. The Appendix of the Subject	12	Chapter XI. The Appendix of the Subject
13	Chapter XII. The Index of the Subject	13	Chapter XII. The Index of the Subject
14	Chapter XIII. The Bibliography of the Subject	14	Chapter XIII. The Bibliography of the Subject
15	Chapter XIV. The Glossary of the Subject	15	Chapter XIV. The Glossary of the Subject
16	Chapter XV. The Appendix of the Subject	16	Chapter XV. The Appendix of the Subject
17	Chapter XVI. The Index of the Subject	17	Chapter XVI. The Index of the Subject
18	Chapter XVII. The Bibliography of the Subject	18	Chapter XVII. The Bibliography of the Subject
19	Chapter XVIII. The Glossary of the Subject	19	Chapter XVIII. The Glossary of the Subject
20	Chapter XIX. The Appendix of the Subject	20	Chapter XIX. The Appendix of the Subject
21	Chapter XX. The Index of the Subject	21	Chapter XX. The Index of the Subject
22	Chapter XXI. The Bibliography of the Subject	22	Chapter XXI. The Bibliography of the Subject
23	Chapter XXII. The Glossary of the Subject	23	Chapter XXII. The Glossary of the Subject
24	Chapter XXIII. The Appendix of the Subject	24	Chapter XXIII. The Appendix of the Subject
25	Chapter XXIV. The Index of the Subject	25	Chapter XXIV. The Index of the Subject
26	Chapter XXV. The Bibliography of the Subject	26	Chapter XXV. The Bibliography of the Subject
27	Chapter XXVI. The Glossary of the Subject	27	Chapter XXVI. The Glossary of the Subject
28	Chapter XXVII. The Appendix of the Subject	28	Chapter XXVII. The Appendix of the Subject
29	Chapter XXVIII. The Index of the Subject	29	Chapter XXVIII. The Index of the Subject
30	Chapter XXIX. The Bibliography of the Subject	30	Chapter XXIX. The Bibliography of the Subject
31	Chapter XXX. The Glossary of the Subject	31	Chapter XXX. The Glossary of the Subject
32	Chapter XXXI. The Appendix of the Subject	32	Chapter XXXI. The Appendix of the Subject
33	Chapter XXXII. The Index of the Subject	33	Chapter XXXII. The Index of the Subject
34	Chapter XXXIII. The Bibliography of the Subject	34	Chapter XXXIII. The Bibliography of the Subject
35	Chapter XXXIV. The Glossary of the Subject	35	Chapter XXXIV. The Glossary of the Subject
36	Chapter XXXV. The Appendix of the Subject	36	Chapter XXXV. The Appendix of the Subject
37	Chapter XXXVI. The Index of the Subject	37	Chapter XXXVI. The Index of the Subject
38	Chapter XXXVII. The Bibliography of the Subject	38	Chapter XXXVII. The Bibliography of the Subject
39	Chapter XXXVIII. The Glossary of the Subject	39	Chapter XXXVIII. The Glossary of the Subject
40	Chapter XXXIX. The Appendix of the Subject	40	Chapter XXXIX. The Appendix of the Subject
41	Chapter XL. The Index of the Subject	41	Chapter XL. The Index of the Subject
42	Chapter XLI. The Bibliography of the Subject	42	Chapter XLI. The Bibliography of the Subject
43	Chapter XLII. The Glossary of the Subject	43	Chapter XLII. The Glossary of the Subject
44	Chapter XLIII. The Appendix of the Subject	44	Chapter XLIII. The Appendix of the Subject
45	Chapter XLIV. The Index of the Subject	45	Chapter XLIV. The Index of the Subject
46	Chapter XLV. The Bibliography of the Subject	46	Chapter XLV. The Bibliography of the Subject
47	Chapter XLVI. The Glossary of the Subject	47	Chapter XLVI. The Glossary of the Subject
48	Chapter XLVII. The Appendix of the Subject	48	Chapter XLVII. The Appendix of the Subject
49	Chapter XLVIII. The Index of the Subject	49	Chapter XLVIII. The Index of the Subject
50	Chapter XLIX. The Bibliography of the Subject	50	Chapter XLIX. The Bibliography of the Subject
51	Chapter L. The Glossary of the Subject	51	Chapter L. The Glossary of the Subject
52	Chapter LI. The Appendix of the Subject	52	Chapter LI. The Appendix of the Subject
53	Chapter LII. The Index of the Subject	53	Chapter LII. The Index of the Subject
54	Chapter LIII. The Bibliography of the Subject	54	Chapter LIII. The Bibliography of the Subject
55	Chapter LIV. The Glossary of the Subject	55	Chapter LIV. The Glossary of the Subject
56	Chapter LV. The Appendix of the Subject	56	Chapter LV. The Appendix of the Subject
57	Chapter LVI. The Index of the Subject	57	Chapter LVI. The Index of the Subject
58	Chapter LVII. The Bibliography of the Subject	58	Chapter LVII. The Bibliography of the Subject
59	Chapter LVIII. The Glossary of the Subject	59	Chapter LVIII. The Glossary of the Subject
60	Chapter LIX. The Appendix of the Subject	60	Chapter LIX. The Appendix of the Subject
61	Chapter LX. The Index of the Subject	61	Chapter LX. The Index of the Subject
62	Chapter LXI. The Bibliography of the Subject	62	Chapter LXI. The Bibliography of the Subject
63	Chapter LXII. The Glossary of the Subject	63	Chapter LXII. The Glossary of the Subject
64	Chapter LXIII. The Appendix of the Subject	64	Chapter LXIII. The Appendix of the Subject
65	Chapter LXIV. The Index of the Subject	65	Chapter LXIV. The Index of the Subject
66	Chapter LXV. The Bibliography of the Subject	66	Chapter LXV. The Bibliography of the Subject
67	Chapter LXVI. The Glossary of the Subject	67	Chapter LXVI. The Glossary of the Subject
68	Chapter LXVII. The Appendix of the Subject	68	Chapter LXVII. The Appendix of the Subject
69	Chapter LXVIII. The Index of the Subject	69	Chapter LXVIII. The Index of the Subject
70	Chapter LXIX. The Bibliography of the Subject	70	Chapter LXIX. The Bibliography of the Subject
71	Chapter LXX. The Glossary of the Subject	71	Chapter LXX. The Glossary of the Subject
72	Chapter LXXI. The Appendix of the Subject	72	Chapter LXXI. The Appendix of the Subject
73	Chapter LXXII. The Index of the Subject	73	Chapter LXXII. The Index of the Subject
74	Chapter LXXIII. The Bibliography of the Subject	74	Chapter LXXIII. The Bibliography of the Subject
75	Chapter LXXIV. The Glossary of the Subject	75	Chapter LXXIV. The Glossary of the Subject
76	Chapter LXXV. The Appendix of the Subject	76	Chapter LXXV. The Appendix of the Subject
77	Chapter LXXVI. The Index of the Subject	77	Chapter LXXVI. The Index of the Subject
78	Chapter LXXVII. The Bibliography of the Subject	78	Chapter LXXVII. The Bibliography of the Subject
79	Chapter LXXVIII. The Glossary of the Subject	79	Chapter LXXVIII. The Glossary of the Subject
80	Chapter LXXIX. The Appendix of the Subject	80	Chapter LXXIX. The Appendix of the Subject
81	Chapter LXXX. The Index of the Subject	81	Chapter LXXX. The Index of the Subject
82	Chapter LXXXI. The Bibliography of the Subject	82	Chapter LXXXI. The Bibliography of the Subject
83	Chapter LXXXII. The Glossary of the Subject	83	Chapter LXXXII. The Glossary of the Subject
84	Chapter LXXXIII. The Appendix of the Subject	84	Chapter LXXXIII. The Appendix of the Subject
85	Chapter LXXXIV. The Index of the Subject	85	Chapter LXXXIV. The Index of the Subject
86	Chapter LXXXV. The Bibliography of the Subject	86	Chapter LXXXV. The Bibliography of the Subject
87	Chapter LXXXVI. The Glossary of the Subject	87	Chapter LXXXVI. The Glossary of the Subject
88	Chapter LXXXVII. The Appendix of the Subject	88	Chapter LXXXVII. The Appendix of the Subject
89	Chapter LXXXVIII. The Index of the Subject	89	Chapter LXXXVIII. The Index of the Subject
90	Chapter LXXXIX. The Bibliography of the Subject	90	Chapter LXXXIX. The Bibliography of the Subject
91	Chapter LXXXX. The Glossary of the Subject	91	Chapter LXXXX. The Glossary of the Subject
92	Chapter LXXXXI. The Appendix of the Subject	92	Chapter LXXXXI. The Appendix of the Subject
93	Chapter LXXXXII. The Index of the Subject	93	Chapter LXXXXII. The Index of the Subject
94	Chapter LXXXXIII. The Bibliography of the Subject	94	Chapter LXXXXIII. The Bibliography of the Subject
95	Chapter LXXXXIV. The Glossary of the Subject	95	Chapter LXXXXIV. The Glossary of the Subject
96	Chapter LXXXXV. The Appendix of the Subject	96	Chapter LXXXXV. The Appendix of the Subject
97	Chapter LXXXXVI. The Index of the Subject	97	Chapter LXXXXVI. The Index of the Subject
98	Chapter LXXXXVII. The Bibliography of the Subject	98	Chapter LXXXXVII. The Bibliography of the Subject
99	Chapter LXXXXVIII. The Glossary of the Subject	99	Chapter LXXXXVIII. The Glossary of the Subject
100	Chapter LXXXXIX. The Appendix of the Subject	100	Chapter LXXXXIX. The Appendix of the Subject

## General Introduction

The purpose of this book is to provide a comprehensive overview of the subject matter. It is designed to be a useful reference for students, researchers, and professionals alike. The book is organized into several chapters, each covering a different aspect of the subject. The chapters are: Chapter I. The History of the Subject; Chapter II. The Principles of the Subject; Chapter III. The Methods of the Subject; Chapter IV. The Applications of the Subject; Chapter V. The Conclusions of the Subject; Chapter VI. The Future of the Subject; Chapter VII. The Summary of the Subject; Chapter VIII. The Index of the Subject; Chapter IX. The Bibliography of the Subject; Chapter X. The Glossary of the Subject; Chapter XI. The Appendix of the Subject.

The book is written in a clear and concise style, making it easy to read and understand. It is a valuable resource for anyone interested in the subject matter. The book is available in both print and electronic formats. The print version is available in paperback and hardcover. The electronic version is available in PDF and EPUB formats. The book is published by [Publisher Name] and is available for purchase at [Retailer Name].

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_  
Date \_\_\_\_\_

CURRICULUM IN FOOD TECHNOLOGY--for the Degree, Bachelor of Science in Food Technology  
PRESCRIBED COURSES:

	credit	grade	HUMANITIES AND SOCIAL STUDIES--	
Bact. 104	5		Minimum of 15 semester hours from:	
Bact. 308	5		Art, economics, foreign language,	
			geography, history, journalism,	
Botany 100	4		landscape architecture, law, lit-	
			erature, music, philosophy, polit-	
Chem. 101 or 102	5-3		ical science, psychology, religion	
Chem. 105	5		sociology, and speech.	
Chem. 122	5			Earned:
Chem. 133	5			
Chem. 347 <sup>1</sup> / <sub>1</sub>	4			
Chem. 249 <sup>1</sup> / <sub>1</sub>	3			
Chem. 329	5			
Chem. 350	3			To be
Chem. 354 or 355	2-3			earned:
D. G. S. 111	4			
D. G. S. 112	4			
F. T. 201	3			
F. T. 202	3		OPEN ELECTIVES:	
F. T. 206	0			
F. T. 260	4			
F. T. 301	4			TOTAL
F. T. 302	4			HOURS
F. T. 332	2			
F. T. 363	3			
Mathematics 117 <sup>2</sup> / <sub>2</sub>	5			
Mathematics 127	4			
Mathematics 137	3			
Mathematics 147	3			
Physics 103	5			
Physics 104	5			
Hygiene	2			
Military	1-1			
Military	1-1			
P. E.	1-1			
P. E.	1-1			

1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 347 and 249.

2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree.  
A minimum average of 3.0 is required for graduation.

NAME		RANK		COMPONENT		STATUS		REMARKS	
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1. This form is to be filled out by the commanding officer of the unit to which the soldier is assigned. It should be filled out at the time the soldier is assigned to the unit and should be kept in the unit's files.

2. The commanding officer should fill out this form for each soldier in the unit. It should be filled out at the time the soldier is assigned to the unit and should be kept in the unit's files.

3. The commanding officer should fill out this form for each soldier in the unit. It should be filled out at the time the soldier is assigned to the unit and should be kept in the unit's files.

4. The commanding officer should fill out this form for each soldier in the unit. It should be filled out at the time the soldier is assigned to the unit and should be kept in the unit's files.

5. The commanding officer should fill out this form for each soldier in the unit. It should be filled out at the time the soldier is assigned to the unit and should be kept in the unit's files.



**Restaurant Management Curriculum**  
(for the degree, Bachelor of Science in Restaurant Management)

This four-year curriculum is provided for men and women who desire training in restaurant management. In addition to preparation for this field, students may, by use of appropriate electives, prepare for work as purchasing agents, kitchen equipment and lay-out specialists, food inspectors, and for other allied occupations.

**First Year**

<u>First Semester</u>		<u>Second Semester</u>	
	<u>Hours</u>		<u>Hours</u>
Hygiene 101-Health Lectures	2	Chem. 101 or 102-General Chem- istry	5 or 3
Physiol. 103-Intro. to Human Physiology	4	Psych. 103-Human Behavior	4
Rhet. 101-Rhet. and Comp.	3	Rhet. 102-Rhet. and Comp.	3
Physical Education	1	Speech 101-Principles of Effec- tive Speaking	3
Military (men)	1	Physical Education	1
Electives	3 to 5	Military (men)	1
<b>Total</b>	<b>14 to 16</b>	<b>Total</b>	<b>15 to 17</b>

**Second Year**

Chem. 132-Elem. Org. Chem.	3	Bact. 104- Elem. Bact.	5
English Literature	3	Econ. 108-Elements of Econ.	3
Home Econ. 130-Intro. Foods & Nutr.	2	English Literature	3
Soc. 100-Prin. of Soc.	3	Rhet. 151-Bus. Letter Writing	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	2 to 4	Electives	0 to 2
<b>Total</b>	<b>15 to 17</b>	<b>Total</b>	<b>15 to 18</b>

**Third Year**

Accy. 101-Prin. of Accg; or Accy. 201-Fund. of Accg. <sup>1/</sup>	3	Accy. 105-Accg. Procedure <sup>1/</sup> ; or Electives	3
An. Sci. 104-Sel. and Use of Meats	2	Econ. 248-Pers. Admin.	3
Bus. Law 261-Sum. of Bus. Law	3	Home Econ. 220-Dietetics	3
Econ. 240-Labor Problems	3	Home Econ. 240-Quan. Cookery	5
Home Econ. 131-Foods	3	Mktg. 101-Prin. of Marketing	3
Electives	2 or 3	<b>Total</b>	<b>17</b>
<b>Total</b>	<b>16 or 17</b>		

**Fourth Year**

Accy. 265-Hotel Accounting	3	Home Econ. 350-Instit. Dietaries and Administration	4
Home Econ. 253-Restaurant Interiors	3	Home Econ. 355-Adv. Quantity Cookery and Catering	3
Home Econ. 345-Institution Mgmt.	3	Mgmt. 204-Industrial Purchasing	3
Electives	7 to 9	Electives	5 to 8
<b>Total</b>	<b>16 to 18</b>	<b>Total</b>	<b>15 to 18</b>

Total required for graduation. . . . . 130

NOTE: Two summers (a minimum of eight weeks each) or equivalent of practical restaurant experience are required and must be completed before registering in Home Econ. 355. This experience normally should come at the end of the second and third years.

<sup>1/</sup> Students who elect Accy. 101 must also take Accy. 105.



CHECK SHEET  
for degree, B.S. in Restaurant Management

41.

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE  
Office of Associate Dean

NAME \_\_\_\_\_

DATE \_\_\_\_\_

PREScribed COURSES	CREDIT	GRADE	PREScribed	CREDIT	GRADE
Accy. 101 & 105 or Accy. 201	3-3		Rhet. 101	3	
Accy. 265	3		Rhet. 102	3	
Animal Sci. 104	2		Rhet. 151	3	
Bact. 104	5		Soc. 100	3	
Bus. Law 261	3		Speech 101	3	
Chem. 101 or 102	5-3		*Summer Practice 1	0	
Chem. 132	3		*Summer Practice 2	0	
Econ. 108	3		OPEN ELECTIVES:		
Econ. 240	3				
Econ. 248	3				
Engl. Lit. (total of	3-4				
Engl. Lit. (6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
P. E. M. or P. E. W.	1-1				
P. E. M. or P. E. W.	1-1				
Physiol. 103	4				
Psych. 103	4				
			AVERAGE (Minimum of 3.0 required for graduation)	TOTAL HOURS (130 hours, including PE and Mil.)	

\*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and **must** be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.



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THEORY OF THE		ELECTRICITY OF THE		ELECTRICITY OF THE	
1	100	100	100	100	100
2	100	100	100	100	100
3	100	100	100	100	100
4	100	100	100	100	100
5	100	100	100	100	100
6	100	100	100	100	100
7	100	100	100	100	100
8	100	100	100	100	100
9	100	100	100	100	100
10	100	100	100	100	100
11	100	100	100	100	100
12	100	100	100	100	100
13	100	100	100	100	100
14	100	100	100	100	100
15	100	100	100	100	100
16	100	100	100	100	100
17	100	100	100	100	100
18	100	100	100	100	100
19	100	100	100	100	100
20	100	100	100	100	100
21	100	100	100	100	100
22	100	100	100	100	100
23	100	100	100	100	100
24	100	100	100	100	100
25	100	100	100	100	100
26	100	100	100	100	100
27	100	100	100	100	100
28	100	100	100	100	100
29	100	100	100	100	100
30	100	100	100	100	100
31	100	100	100	100	100
32	100	100	100	100	100
33	100	100	100	100	100
34	100	100	100	100	100
35	100	100	100	100	100
36	100	100	100	100	100
37	100	100	100	100	100
38	100	100	100	100	100
39	100	100	100	100	100
40	100	100	100	100	100
41	100	100	100	100	100
42	100	100	100	100	100
43	100	100	100	100	100
44	100	100	100	100	100
45	100	100	100	100	100
46	100	100	100	100	100
47	100	100	100	100	100
48	100	100	100	100	100
49	100	100	100	100	100
50	100	100	100	100	100
51	100	100	100	100	100
52	100	100	100	100	100
53	100	100	100	100	100
54	100	100	100	100	100
55	100	100	100	100	100
56	100	100	100	100	100
57	100	100	100	100	100
58	100	100	100	100	100
59	100	100	100	100	100
60	100	100	100	100	100
61	100	100	100	100	100
62	100	100	100	100	100
63	100	100	100	100	100
64	100	100	100	100	100
65	100	100	100	100	100
66	100	100	100	100	100
67	100	100	100	100	100
68	100	100	100	100	100
69	100	100	100	100	100
70	100	100	100	100	100
71	100	100	100	100	100
72	100	100	100	100	100
73	100	100	100	100	100
74	100	100	100	100	100
75	100	100	100	100	100
76	100	100	100	100	100
77	100	100	100	100	100
78	100	100	100	100	100
79	100	100	100	100	100
80	100	100	100	100	100
81	100	100	100	100	100
82	100	100	100	100	100
83	100	100	100	100	100
84	100	100	100	100	100
85	100	100	100	100	100
86	100	100	100	100	100
87	100	100	100	100	100
88	100	100	100	100	100
89	100	100	100	100	100
90	100	100	100	100	100
91	100	100	100	100	100
92	100	100	100	100	100
93	100	100	100	100	100
94	100	100	100	100	100
95	100	100	100	100	100
96	100	100	100	100	100
97	100	100	100	100	100
98	100	100	100	100	100
99	100	100	100	100	100
100	100	100	100	100	100

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## Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 61 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

### First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Elem. of Drawing	4
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	18 or 20

### Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

### Electives

Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3

1947. *Unpublished*

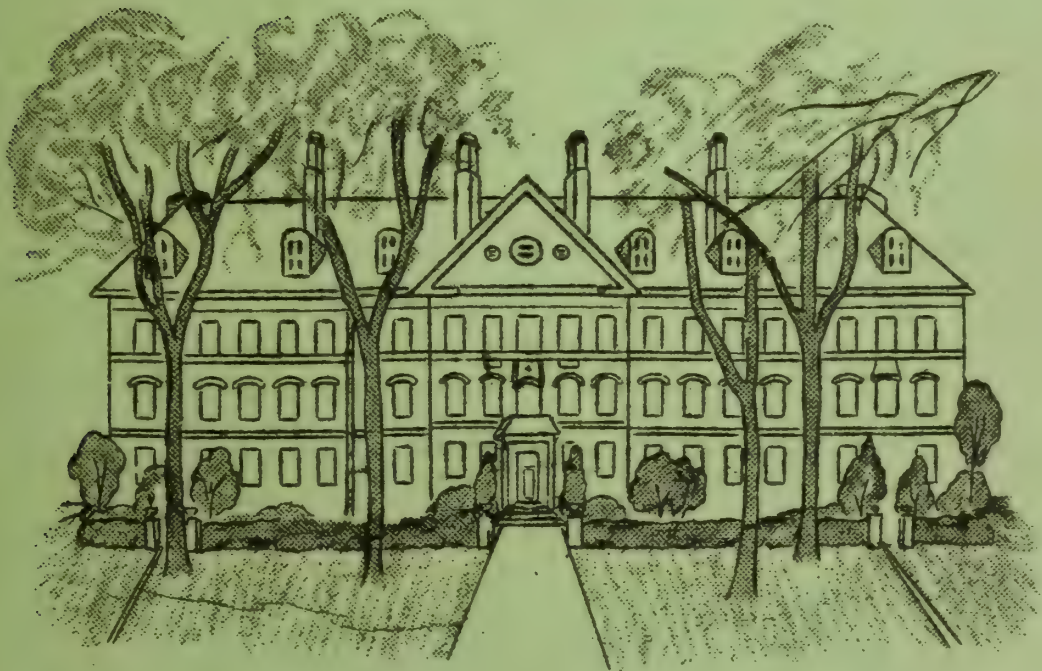






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1955-56

# A HANDBOOK FOR AGRICULTURAL STUDENTS AND THEIR ADVISERS



By

C. D. Smith, Assistant Dean

University of Illinois College of Agriculture  
Urbana, Illinois

1955-56

ACA377 (Rev.)





# 12211-44 1936/37 CONTENTS

	<u>Page</u>
Student Objectives.....	1
Student Plans and Student Guidance.....	1
Curricula and Majors as Educational Programs.....	5
Curricula of the College of Agriculture:	
General Agriculture Curriculum.....	7
Suggested Majors for Students in the General Agriculture Curriculum:	
Agricultural Extension.....	9
Agricultural Journalism.....	11
Agricultural Marketing.....	13
Animal or Poultry Science.....	14
Dairy Production.....	15
Farm Crops.....	16
Soil Conservation.....	16
Farm Management and Farm Finance.....	17
Mechanization.....	18
Rural Group Leadership.....	19
Pomology.....	20
Vegetable Crops.....	20
Vocational Agriculture (for Smith-Hughes teachers)....	21
Agricultural Science Curriculum.....	24
Agricultural Science and Agricultural Engineering, Five-Year Program.....	27
Agriculture and Law, Six-Year Program.....	30
Dairy Technology Curriculum.....	32
Floriculture Curriculum.....	35
Food Technology Curriculum.....	38
Restaurant Management Curriculum.....	41
Preforestry (Two-Year) Curriculum.....	43

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Name of Student: \_\_\_\_\_

Local Address: \_\_\_\_\_, \_\_\_\_\_  
                                     (Number and Street)                      (Champaign or Urbana)

Home Address: \_\_\_\_\_

Name of Faculty Adviser: \_\_\_\_\_

Office Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Office Hours: \_\_\_\_\_





## Student Objectives

Every student who enters upon a University program should set up an educational goal that fits his abilities and interests and has such appeal for him that he will exert the effort and make the sacrifices necessary to complete his program. Although freshman interviews show that a high percentage of entering students plan to graduate, fewer than half of them complete their college work. Only a small percentage lack the inherent capacity to complete a well-selected college program with realistic goals based on abilities and interests. Most of those who drop out along the way do so because they have no goals which they are determined to reach.

The importance of setting adequate goals for yourself is shown in the following statement:

"Our skill in reaching objectives may depend in no small degree upon the clarity with which we see them. Once our objectives are clearly visible the appropriate steps for reaching them may be initiated--University objectives are concerned with the whole fabric of higher education rather than the achievement of predetermined and often narrow goals in the shortest possible time. . . . It has been suggested that four of the principal goals of professional education are the production of students possessing at graduation: (1) a minimum body of basic and fundamental knowledge which is commonly possessed by members of the profession; (2) skill in handling source materials and in adding to one's body of knowledge; (3) the ability to think, analyze, and act in the presence of new or unprecedented situations; and (4) an ethical attitude toward the uses to which a member of the profession may put his knowledge and skill."<sup>1/</sup>

Many students are inadequately motivated because their goals have been too narrowly defined. Hence the basic or fundamental subjects are termed uninteresting and impractical. Selecting courses dealing only with the methods of performing the duties of a particular job, without basing the practical skills on deeply grounded principles, will result in a perishable education. Today's world is characterized by rapid change. Few jobs are done the same way for more than ten years. The more deeply rooted your understanding, the less likely you are to be uprooted by the swift winds of change.

## Student Plans and Student Guidance

The fact that many students arrive at the University with undefined educational goals is not a serious handicap, but it can become serious if they do not begin to set up clear-cut goals in line with their capacities and interests soon after they arrive. Each freshman entering the University of Illinois is given a battery of guidance tests to help him enter upon and follow an educational program suited to his abilities. But tests alone are not enough. The goals you set must be individually chosen and must command your interests, loyalties, and devotion to the point where the effort and sacrifice necessary to attain them will be exerted.

The table on the following pages shows the range and pattern of employment normally undertaken by graduates in agriculture. It is an actual record of jobs held in 1950 by graduates. Information about trends in employment and current calls for trained personnel can be obtained from the Associate Dean's Office, 104 Mumford Hall, or from your faculty advisor.

<sup>1/</sup> Report of the Special Committee of the National Association of State Universities to Study Postwar Educational Problems--Mimeograph, 1944.

1890-1891



The University has provided the following five main agencies to give you help and guidance in selecting and planning your individual program:

1. The Student Counseling Bureau, 311 Administration (E), administers and interprets tests and counsels students on personal problems.
2. The Faculty Adviser, a member of the teaching staff who is chosen by the student or assigned by the Associate Dean's office, helps the student with the ordinary problems of course selection and individual activities. Each faculty adviser serves only as many students as he can know well. If you fail to become acquainted with your adviser, the purpose of the advisory plan is defeated. Your faculty adviser is glad to assist you--make use of him.

It is particularly important for you to seek the counsel of your faculty adviser before and during registration in order that your program may be carefully planned. Far too often students turn to anyone who will sign a study list. This is likely to result in a short-sighted semester program which will not lead directly toward your objective.

A faculty adviser is assigned to new freshmen without consultation, because the freshmen usually are not acquainted with members of the staff. After the second year, the student is invited to select his own adviser with the help of the staff in the Associate Dean's office. If at any time you wish to change programs or advisers, you should come to the Associate Dean's office.

3. The Instructor is a specialist in his field, well acquainted with the subject matter and its related employments. Do not hesitate to discuss your problems with your instructors. They are here to serve you. They can provide channels through which you may see new opportunities. To locate instructors, use the Directory of Staff and Students.
4. The Dean and the Associate Dean of the college are responsible for administering student programs and for keeping records. The Associate Dean's office is the principal center for information about college and university regulations, grade requirements, credits to be earned, honors, employment opportunities, and many other facts concerning your educational progress. You should feel free to call on this office with any problem on which you feel you need help.
5. The office and personnel headed by the Dean of Students, 152 Administration (W), including the Dean of Men, 157 Administration (W), the Dean of Women, 100 Bevier Hall, the Health Service, Davenport House, and the Director of Residence Halls and Student Housing, 108 Illini Hall, are ready to serve all students, particularly with relation to problems outside the area of formal education.





## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>EDUCATIONAL WORKERS</b>									
College Teachers (total)	143	5.61	115	\$5,918	46	29	37	29	2
Grad. Assistants	22	.86	-	-	21	1	-	-	-
Instructors	17	.67	16	4,536	8	5	3	1	-
Assistant Professors	30	1.18	27	4,922	11	9	8	2	-
Associate Professors	21	.82	20	5,685	3	6	11	1	-
Professors	53	2.08	52	6,951	3	8	15	25	2
College Administrators	9	.35	8	8,035	1	2	3	3	-
County Agents (Farm Advisers)	92	3.61	89	5,345	22	33	21	16	-
Asst. County Agents & Youth Advisers	49	1.92	49	3,520	47	2	-	-	-
Extension Specialists & Directors	29	1.14	29	5,666	6	7	8	8	-
High School Teachers	431	16.92	391	4,356	233	81	87	30	-
Total Educational Workers	753	29.56	681	4,788	355	154	156	86	2
<b>PROFESSIONAL TECHNICIANS</b>									
Agronomists (total)	101	3.97	95	5,142	39	27	23	12	0
Soil Conservation Service	53	2.08	50	4,453	23	15	11	4	0
Soils	26	1.02	24	5,584	8	5	9	4	0
Crops	22	.86	21	6,278	8	7	3	4	0
Animal Husbandmen	20	.79	16	4,938	14	4	2	0	0
Chemists and Bacteriologists	24	.94	19	6,355	10	4	7	3	0
Dairy Husbandmen	17	.67	16	4,010	12	4	0	1	0
Economists & Statisticians	49	1.92	47	6,897	18	14	13	4	0
Engineers (Agr. & Others)	22	.86	19	5,096	8	4	5	5	0
Entomologists & Zoologists	9	.35	8	5,980	0	2	6	0	1
Farmers Home Administration	23	.90	20	4,881	8	8	4	3	0
Horticulturists	10	.39	7	6,209	2	1	5	2	0
Inspectors (Grain, Seed, & Feed)	18	.71	16	4,653	8	5	4	1	0
Total Professional Technicians	293	11.50	263	5,463	119	73	69	31	1
<b>FARMERS &amp; FARM MANAGERS</b>									
Farmers (total)	540	21.20	264	6,162	213	139	99	74	15
Owner-Operators	195	7.66	71	7,787	13	30	72	61	14
Partnerships	143	5.61	81	5,450	90	38	12	3	0
Tenants	194	7.62	106	5,851	97	71	15	10	1
Farm Hands	8	.31	6	2,033	8	0	0	0	0
Farm Managers	113	4.44	96	5,000	49	34	16	10	4
Total Farmers & Farm Managers	653	25.64	360	5,852	262	173	115	84	19





## JOB DISTRIBUTION AND SALARIES OF AGRICULTURAL GRADUATES AS OF 1950 - cont.

Job title	Graduates		Salary		Years since graduation				
	No.	% of total	No. re- porting	Average salary	1-10	11-20	21-30	31-40	41-50
<b>BUSINESS &amp; INDUSTRY</b>									
Managers and Supervisors	233	9.15	208	\$8,148	73	75	58	24	3
Agriculture Cooperatives	18	.71	18	6,207	8	4	5	1	0
Dairy Manufactures	65	2.55	57	8,529	19	26	15	5	0
Fruits, Vegetables, & Produce	17	.67	13	6,336	8	4	1	4	0
Grain, Seed, Feed, Fertilizer	50	1.96	45	9,288	14	15	16	4	1
Hatcheries	11	.43	7	6,641	3	6	1	1	0
Livestock Marketing & Meat Packing	16	.63	16	4,108	7	2	4	2	1
Machinery, Equipment, & Service	53	2.08	49	8,629	14	17	15	6	1
Miscellaneous Business & Service	3	.12	3	20,500	0	1	1	1	0
Salesmen & Sales Managers	176	6.91	153	6,378	84	38	31	19	4
Agricultural Chemicals	8	.31	8	6,388	5	3	0	0	0
Dairy Products	16	.63	14	6,700	8	7	1	0	0
Feed	18	.71	16	5,351	12	3	2	1	0
Fertilizer	20	.79	18	4,703	12	4	3	1	0
Grain, Grain Products, & Seed	20	.79	19	6,169	8	5	5	1	1
Insurance	48	1.88	36	7,510	24	8	6	8	2
Livestock Products (Meat, Eggs)	8	.31	8	4,510	8	0	0	0	0
Machinery & Equipment	21	.82	18	7,683	5	5	6	4	1
Miscellaneous Products & Equipment	17	.67	16	6,164	2	3	8	4	0
Owners & Operators, Miscellaneous, Non-Agricultural Businesses	31	1.22	23	12,470	3	6	6	15	1
Florists, Nursery, & Landscaping	82	3.22	58	7,488	16	30	20	15	1
Farm Loans & Appraisal	47	1.85	47	5,773	8	21	7	11	0
Bank Officials	16	.63	15	9,685	2	3	6	5	0
Real Estate & Loan Agents	11	.43	8	9,512	1	0	6	4	0
Journalism, Radio & Advertising	37	1.45	29	8,570	11	8	10	8	0
Public Relations	9	.35	9	8,581	2	2	4	0	1
Laboratory Technicians	8	.31	8	2,981	7	0	1	0	0
Total Business & Industry	650	25.52	558	7,588	207	183	149	101	10
<b>MISCELLANEOUS PROFESSIONS &amp; OTHERS</b>									
Doctors & Dentists	11	.43	-	-	1	3	3	3	1
Veterinarians	5	.20	-	-	5	0	0	0	0
Lawyers	11	.43	-	-	7	1	2	1	0
Ministers & Missionaries	11	.43	7	4,200	3	1	5	2	0
Public Officials (Government)	42	1.65	35	5,989	7	5	18	11	1
Army, Navy, and Air Force	22	.86	19	6,009	9	10	2	1	0
Students (Graduate & Professional)	46	1.81	-	-	42	2	2	0	0
Retired & Disabled	26	1.02	-	-	2	0	3	19	2
General Miscellaneous	24	.94	18	4,362	10	6	5	3	0
Totals	198	7.77	79	5,465	85	28	40	40	4
<b>GRAND TOTAL</b>	<b>2,547</b>	<b>99.99</b>	<b>1,941</b>	<b>\$ 5,909</b>	<b>1,029</b>	<b>611</b>	<b>529</b>	<b>342</b>	<b>36</b>





### Curricula and Majors as Educational Programs

The College of Agriculture has, excluding Home Economics, seven curricula leading to degrees and one pre-professional curriculum leading, at the end of two years, to entrance upon professional training in Forestry.

The four-year curricula are:

1. General Agriculture
2. General Agriculture, Teacher Training
3. Agricultural Science
4. Dairy Technology
5. Floriculture
6. Food Technology
7. Restaurant Management

Recommended choices of electives for students who wish to complete certain majors or lines of training adapted to selected areas of employment are provided on pages 9 to 18. A complete program for those planning to teach vocational agriculture in high schools is listed on pages 19 to 21.

Curricula are educational programs carefully planned to guide students whose educational goals are within certain related areas. They contain:

1. The basic skills or foundation courses required of all students, such as rhetoric, hygiene, physical education and, for men, military training.
2. A minimum content of general education, particularly in the humanities and social studies, widely held to be essential in any program of college education.
3. The basic sciences and, for some fields, mathematics.
4. Applied courses leading to professional attainments sufficient to permit entrance to some field of professional work or more advanced training on the graduate level. Students planning graduate study should consider the curriculum in Agricultural Science (pages 22-24).

The following pages present the agricultural curricula in outline form suitable for use as guides or check sheets. Each student should use the appropriate curriculum page to record his progress. As each course is completed, the grade can be inserted, and it will then be possible to determine the remaining requirements. When the student reaches the senior level, the Associate Dean's office sends him a check sheet showing the work yet to be completed before graduation. The student may obtain this service at any time he and his faculty adviser find need for it.

With the exception of the curricula in Agricultural Science and in General Agriculture, elective freedom is limited because the field of work to which each of the other curricula leads calls for specialized training of a specific character.



# THE UNIVERSITY OF CHICAGO

The University of Chicago is a private, non-sectarian, non-profit institution of higher learning. It is a member of the Association of American Universities and the Association of Research Universities. The University is committed to the highest standards of academic excellence and to the advancement of knowledge in all fields of inquiry.

## THE UNIVERSITY OF CHICAGO

11	General Administration
12	General Administration
13	General Administration
14	General Administration
15	General Administration
16	General Administration
17	General Administration

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The curriculum in General Agriculture is designed to meet the needs of large numbers of students planning to farm or work in other areas that call for broad training but not requiring a specialized foundation in basic science or mathematics. The curriculum in Agricultural Science is suited to those students desiring a stronger foundation in science or mathematics, and it is especially recommended for all students expecting to do graduate study or enter upon advanced technical work in an agricultural industry. A student selecting the curriculum in Agricultural Science should ask for assignment to a faculty adviser in his field of special interest. Ordinarily this should be done before the beginning of the sophomore year. The purposes of the curricula in Dairy Technology, Floriculture, Food Technology, and Restaurant Management are indicated by their names. Students wishing to follow these curricula or the Pre-forestry curriculum should indicate this fact to the freshman section adviser or to the Associate Dean and secure an appropriate assignment of a faculty adviser. The student should refer to the University of Illinois Undergraduate Study Bulletin for course descriptions.

All students in the College of Agriculture should secure and keep for reference two printed booklets normally handed out during the first freshman registration. These booklets are (1) "University of Illinois Regulations Applying to Undergraduate Students" and (2) "College of Agriculture Scholarship Regulations Applying to Undergraduate Students." The first of these booklets contains many items of information useful to all students in the University. The second contains information about required standards of scholarship and provisions for graduation with honors.

#### Requirements for Graduation

Students who have satisfied the general University requirements for graduation, have maintained throughout their courses a satisfactory record of scholarship and moral character, and have completed a curriculum in the College of Agriculture, including the prescribed studies and sufficient electives to make a total of 130 semester hours, are graduated with the degree of Bachelor of Science. Students who transfer from other educational institutions are required to complete in residence at least half the technical agriculture credit required for the degree; they must also complete their senior year, of not less than 30 semester hours, in residence at the University.

Credit toward graduation is given for work in physical education and military training, and grades in these courses are included in the student's average. However, not more than six hours of credit in physical education service courses may be counted toward the 130 total hours required for graduation. Courses in Dance, Health Education, and Recreation are not included in this six-hour restriction. For the degree in Food Technology, the requirement for graduation is 130 total hours, exclusive of the first two years of basic military and physical education.

No typing or shorthand courses, not more than two hours credit in music ensemble courses, and not more than ten hours credit in religion may be counted toward graduation.

A total of ten hours of credit in special problems courses may be counted toward graduation in Agriculture and Home Economics curricula. Approval of the associate dean, department head, and instructor is necessary for the second or third special problems course in order to avoid duplication of credit.



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**General Agriculture Curriculum**  
(for the degree of Bachelor of Science in Agriculture)

This curriculum is designed for students in agricultural fields not requiring an intensive science foundation, such as farming, agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, fruit production, rural group leadership, soil conservation, vegetable production, and others. A minimum of 130 semester hours is required for graduation.

Suggested schedule of courses for the first two years:

<u>First Semester</u>		<u>First Year</u>		<u>Second Semester</u>	
	Hours				Hours
Bot. 100--General Botany	4	Chem. 111--General Chem. <sup>1/</sup>			5
Hygiene 101--Health Lectures	2	Rhet. 102--Rhetoric and Comp.			3
Rhet. 101--Rhetoric and Comp.	3	Zool. 104--Elem. Zoology			4
Mil. & P. E.	2	Mil. & P. E.			2
Two courses from Group I	6	One course from Group I			3 or 4
Total	17	Total			17 or 18
<u>Second Year</u>					
Chem. 132--Elem. Org. Chem. <sup>1/</sup>	3	Econ. 108--Elem. of Econ.			3
Geol. 105--Agric. Geology	3	Mil. & P. E.			2
Mil. & P. E.	2	Two courses from Group I			6
Three courses from Group I	9	Electives			5 or 6
	17				16 or 17

Third and Fourth Years

During the third and fourth years the student must elect sufficient courses in agriculture to make a total of 50 hours in agricultural courses, including those prescribed. The student must also earn a minimum of 12 semester hours credit in humanities and social studies and sufficient unrestricted electives to bring his total credits up to the 130 hours required for graduation.

Group I.--Required agriculture courses, normally completed during the first two years:

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics <sup>2/</sup>	3
Agr. Eng. 101--Introduction to Agr. Engineering <sup>3/</sup>	3
Agronomy 121--Crop Production	4
Agronomy 201--Soils	5
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Production	3
Hort. 100--Introductory Horticulture <sup>2/</sup>	3
Forestry 101--General Forestry, or Forestry 102--Farm Forestry, or Horticulture elective	3
TOTAL. . . . .	30

Group II.--Humanities and social studies. Minimum of 12 semester hours to be selected from the following fields: anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

- <sup>1/</sup> Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.
- <sup>2/</sup> Students entering as juniors or seniors should substitute (a) Agr. Econ. 220 or 230 for Agr. Econ. 100; (b) Hort. 242 or 262 for Hort. 100.
- <sup>3/</sup> Agr. Eng. 111 and 112 may be substituted for Agr. Eng. 101.

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CONTENTS	
Original Articles	1
Editorial	1
Book Reviews	1
Correspondence	1
Obituary	1
Announcements	1
Index	1

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CURRICULUM IN GENERAL AGRICULTURE--For the degree, Bachelor of Science in Agriculture. For students in fields not requiring an intensive science foundation, such as farming, agricultural extension, agricultural journalism, agricultural marketing, animal and poultry science, dairy production, farm crops, farm management, farm mechanization, pomology, rural group leadership, soil conservation, vegetable production, and others.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours		
	Credit	Grade		Credit	Grade
Agr. Econ. 100	3				Earned:
Agr. Eng. 101	3				To be earned:
Agronomy 121	4				A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR.HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
Agronomy 201	5				
An. Sci. 101	3				
An. Sci. 102	3				
Da. Sci. 100	3				
Hort. 100	3				
Forestry 101 or 102 or Hort. elective	3				
Total Hours	<u>30</u>				
<b>NON-AGRICULTURE PRESCRIBED:</b>			<b>HUMANITIES AND SOCIAL STUDIES--Minimum of 12 hrs. from: anthro., art, econ., for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech.</b>		
Botany 100	4				
Chemistry 111	5				
Chemistry 132	3				
Economics 108	3				
Geology 105	3				
Hygiene	2				
Rhetoric 101	3				
Rhetoric 102	3				
Zoology 104	4				
Military	1				
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130 hours, inclusive of regular military and P. E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Extension Major: For students interested in county extension work as farm advisers. New graduates start as assistant farm advisers or assistant youth advisers and may qualify for a farm adviser position after five years of experience.

First and Second Years: Follow the General Agriculture Curriculum, except that Agricultural Engineering 111 and 112 should be substituted for Agricultural Engineering 101.

<u>Third Year:</u>	<u>Hours</u>
DGS 171 - Psychology for General Education (I, II)	4
Agricultural Economics 220 - Farm Management (I, II)	3
Agriculture 114 - Agricultural Journalism (I, II)	3
Agriculture 206 - Agricultural Extension (II)	3
Rhetoric 151 - Business Letter Writing (I, II)	3
Entomology 101 - Agricultural Entomology (I, II)	3
Political Science 150 - American Government or History 152 - American History (I, II)	3
Agricultural Economics 273 - Rural Recreation (II)	2
Electives <sup>1/</sup>	9-10

Summer Following Third Year:

Agriculture 208 - Agricultural Extension - Summer Training	2
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Fourth Year:

Rural Sociology 377 - Rural Community - Organization and Analysis (I)	3
Animal Science 105 - Animal Hygiene (I)	3
Agriculture 214 - Advanced Agricultural Journalism Methods (II)	3
Electives <sup>1/</sup>	25-27

1/ Suggested Electives:Agriculture Courses:

Agricultural Economics 230 - Marketing of Agricultural Products (I, II)	3
Agricultural Economics 302 - Financing Agriculture (II)	3
Agricultural Economics 303 - Agricultural Law (II)	3
Agricultural Economics 325 - Advanced Farm Management (I)	3
Agricultural Economics 341 - Agricultural Statistics (I)	3
or Agriculture 216 - Agriculture & Biological Statistics (I, II)	3
Agronomy 306 - Fertilizers and Their Soil Reactions (I)	3
Agronomy 322 - Forage Crops and Pastures (II)	3
Agronomy 326 - Weeds and Their Control (I)	3

The following is a list of the lands which have been acquired by the Government since the 1st of January 1900, and which are now in the possession of the General Land Office.

The lands are classified as follows: (1) Lands acquired by purchase; (2) Lands acquired by gift; (3) Lands acquired by exchange; (4) Lands acquired by lease; (5) Lands acquired by other means.

LANDS ACQUIRED BY PURCHASE

- (1) Lands acquired by purchase: (a) Lands acquired by purchase from private owners; (b) Lands acquired by purchase from the Crown; (c) Lands acquired by purchase from other sources.

LANDS ACQUIRED BY GIFT

- (2) Lands acquired by gift: (a) Lands acquired by gift from private owners; (b) Lands acquired by gift from the Crown; (c) Lands acquired by gift from other sources.

LANDS ACQUIRED BY EXCHANGE

- (3) Lands acquired by exchange: (a) Lands acquired by exchange with private owners; (b) Lands acquired by exchange with the Crown; (c) Lands acquired by exchange with other sources.

LANDS ACQUIRED BY LEASE

- (4) Lands acquired by lease: (a) Lands acquired by lease from private owners; (b) Lands acquired by lease from the Crown; (c) Lands acquired by lease from other sources.



Animal Science - Horticulture, Agronomy, Dairy Science 110	
Genetics (I, II)	3
Animal Science 103 - Breeds and Market Grades of Livestock (I)	3
Animal Science 201 - Livestock Management (I)	3
or one or more of the following:	
Animal Science 301 - Beef Production (I, II)	3
Animal Science 302 - Sheep Production (II)	3
Animal Science 303 - Pork Production (I, II)	3
Animal Science 304 - Poultry Production (II)	3 or 4
Animal Science 203 - Advanced Judging (I)	3
Animal Nutrition 301 - Introduction to Animal Nutrition (II)	3
Dairy Science 202 - Feeding Dairy Cattle (II)	3
Dairy Science 311 - Problems in Dairy Farming (I)	3
Rural Sociology 117 - Introduction to Rural Sociology (I, II)	3

Other Courses:

Economics 248 - Personnel Administration (I, II)	3
Education 211 - Educational Psychology (I, II)	3
Speech 101 - Principles of Effective Speaking (I, II)	3
Speech 111 - Business & Professional Speaking (I, II)	2
Speech 113 - Group Discussion and Conference Leadership (I, II)	3



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Journalism Major: For students who are interested in positions in the farm magazine field, farm radio or television, advertising, sales, public relations, college editorial work and other fields requiring training in both agriculture and journalism. Two options are available:

- I. Bachelor of Science in Agriculture with a minor in Journalism.
- II. Bachelor of Science in Journalism with a minor in Agriculture.

Students who desire to follow either option of the combined agriculture-journalism program should consult with the Associate Dean of Agriculture or the Director of the School of Journalism as early as possible and be assigned to an appropriate adviser.

Option I. For the Bachelor of Science in Agriculture with a minor in Journalism, the student will enroll in the College of Agriculture, general agriculture curriculum, and complete all requirements of that curriculum. In addition to the prescribed courses of the curriculum, he must also complete the following courses:

	<u>Hours</u>
Agriculture 114--(Same as Journ. 114) Agricultural Journalism (I, II)	3
Journalism 204--Typography (I, II)	2
Journalism 211--Reporting (I, II)	3
Journalism 321--Copyreading (I, II)	4
Electives in Journalism	8
TOTAL	<u>20</u>

The journalism electives are to be chosen from the following courses: Journ. 214 (also Agric. 214), 223, 227, 261, 281, 282, 323, 328, 351, 365, and 382.

All of the courses taken in journalism may be counted as humanities and social studies or as open electives in the general agriculture curriculum. Students following this option complete all four years while enrolled in the College of Agriculture.

Option II. For the Bachelor of Science in Journalism with a minor in Agriculture, the student may take his first two years of work in the College of Agriculture or in the College of Liberal Arts and Sciences. In this option, the student must complete a minimum of twenty semester hours in agriculture courses as follows:

<u>Required Agriculture Courses:</u>	<u>Hours</u>
Agronomy 121--Crop Production (I, II)	4
Animal Science 102--Principles of Feeding (I, II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Approved Electives in Agriculture	10
TOTAL	<u>20</u>



# THEORY OF THE EARTH AND ITS HISTORY

The theory of the earth and its history is a branch of geology which deals with the origin and development of the earth and its various parts. It is a science which seeks to explain the processes which have shaped the earth and its features, and to determine the sequence of events which have taken place since the earth was first formed.

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These twenty hours may be substituted for the twenty hours of advanced social studies required for graduation by the School of Journalism. The agricultural electives are to be chosen from the following courses: Agr. Eng. 111, 112; Agr. Econ. 305; Agron. 201; An. Sci. 201, 301, 303, or 304; Da. Sci. 100; Forestry 101; Hort. 100; and Rural Sociology.

After two years of pre-journalism work in Agriculture or Liberal Arts and Sciences, the student then transfers to the School of Journalism and Communications for two years of professional training. If the first two years are taken in the College of Agriculture, the student will find it advantageous to include in his program those agriculture courses from the above listing which are open to freshmen and sophomores. The remaining agriculture requirements may be completed during the junior and senior years. Since some of the required and recommended agriculture courses have prerequisites of basic science courses (Botany 100, Chemistry 101 or 102 or Geology 105), it is advisable to elect these courses during the first two years also.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Agricultural Marketing Major: For students interested in various private and co-operative businesses and governmental agencies dealing with farm products, foods, and farm supplies.

Students who have an interest in preparing for agricultural service in foreign areas may elect courses which will aid in furthering this objective. Courses dealing with problems in foreign countries and those in foreign languages can prove helpful. Students having such interest should consult with the Associate Dean, who may suggest an adviser who can help the student select courses of geographic and subject matter interest.

Agricultural Courses:Hours

Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
*Agr. Economics 331--Grain Grading and Marketing (I)	3
*Agr. Economics 332--Livestock Marketing (II)	3
*Agr. Economics 333--Marketing Horticultural Products (I)	3
*Agr. Economics 334--Marketing Dairy Products (II)	3
Agr. Economics 341--Agricultural Statistics (I)	3
Agr. Economics 342--Agricultural Prices (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Business Law 261--Summary of Business Law (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
Economics 313--Economics of Consumption (II)	3
Economics 384--Economics of Transportation (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhetoric 151--Business Letter Writing (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

- \* Students may wish to choose one marketing course dealing with crops and one dealing with livestock or livestock products.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Animal or Poultry Science Major: For students who wish to prepare for work in animal production; including the Federal Civil Service Classification of Animal Husbandman or Poultry Husbandman. Students who intend to take graduate work in Animal Science (including Animal Nutrition) should register in the Agricultural Science curriculum.

Agricultural Courses:Hours

Animal Science 103--Breeds and Market Classes and Grades of Livestock (I)	3
Animal Science 104--Selection and Use of Meat (I)	2
Animal Science 105--Animal Hygiene (I)	3
Animal Science 110--Plant and Animal Genetics (I, II)	3
Animal Science 201--Livestock Management (I)*	3
One or more of the following:	
Animal Science 206--Light Horses (II)	3
Animal Science 301--Beef Production (I, II)	3
Animal Science 302--Sheep Production (II)	3
Animal Science 303--Pork Production (I, II)	3
Animal Science 304--Poultry Management (II)	3 or 4
Animal Science 332--Livestock Marketing (II)	3
Animal Nutrition 301--Introduction to Animal Nutrition (II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3

In individual cases, a student may select additional courses in animal science or related subjects after consultation with his adviser.

- \* Students who plan to take two or more of the following production courses--Animal Science 301, 302, or 303--should not take Animal Science 201.



The first part of the report is devoted to a general survey of the history of the United States from the discovery of the continent to the present time. The second part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time. The third part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.

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- (5) The fifth part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.
- (6) The sixth part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.
- (7) The seventh part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.
- (8) The eighth part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.
- (9) The ninth part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.
- (10) The tenth part is devoted to a detailed study of the history of the United States from the discovery of the continent to the present time.

The report is based on a study of the history of the United States from the discovery of the continent to the present time. The report is based on a study of the history of the United States from the discovery of the continent to the present time. The report is based on a study of the history of the United States from the discovery of the continent to the present time.

## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Dairy Production Major: For students particularly interested in the field of dairy production with emphasis on the feeding, breeding, selection, and management of dairy cattle.

<u>Agricultural Courses:</u>	<u>Hours</u>
Dairy Science 104--Dairy Cattle Judging (II)	2
Dairy Science 110--Plant and Animal Genetics (I, II)	3
Dairy Science 150--General Dairy Bacteriology (II)	2
Dairy Science 151--General Dairy Bacteriology (II)	3
Dairy Science 202--Feeding Dairy Cattle (II)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Dairy Science 330--Reproduction and Artificial Insemination of Farm Animals (I)	3
Dairy Science 334--Marketing Dairy Products (II)	3
Agricultural Economics 220--Farm Management (I, II)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Veterinary Pathology and Hygiene 105--Animal Hygiene (I)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
---	---





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Crops Major: For students preparing for work in crop production and/or plant breeding.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 110--Plant and Animal Genetics (I, II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Agronomy 325--Corn Breeding (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agronomy 331--Grain Grading and Marketing (I)	3
Agronomy 327--Forage Crop Breeding (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Botany 317--Plant Pathology (I)	3
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Speech 101--Principles of Effective Speaking (I, II)	3

Soil Conservation Major: For students preparing for work in soil conservation, including Federal Civil Service positions designated as Agronomist, Soil Scientist, and Soil Technologist.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agronomy 301--Soil Survey, with Emphasis on Illinois Soils (II)	3
Agronomy 302--Role of Microorganisms in Soil Fertility (I)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Agronomy 321--Crop Production as Affected by the Environment (I)	3
Agronomy 322--Forage Crops and Pastures (II)	3
Agronomy 326--Weeds and Their Control (I)	3
Agriculture 216--Experimental and Biological Statistics (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Animal Science 201--Livestock Management (I)	3
Dairy Science 311--Problems in Dairy Farming (I)	3
Entomology 101--Agricultural Entomology (I, II)	3
Forestry 102--Farm Forestry (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Speech 101--Principles of Effective Speaking (I, II)	3



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Farm Management and Farm Finance Major: For students interested in preparing for work in the farm management and farm credit fields. Students should select courses from the following list in line with their particular interests and in consultation with their faculty advisers.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 230--Marketing of Agricultural Products (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 325--Advanced Farm Management (I)	3
Agr. Economics 342--Agricultural Prices (II)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agronomy 301--Soil Survey, with Emphasis on Illinois Soils (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Animal Science--A minimum of two courses from Animal Science 301, 302, 303, and 304	6
Dairy Science 311--Problems in Dairy Farming (I)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Entomology 101--Agricultural Entomology (I, II) <u>or</u>	3
Entomology 103--Life of Insects (II)	4

Students in this field should consider a course in statistics, Agr. Economics 341 or Economics 170, and Rhetoric 151. Those planning to enter professional farm management should include Economics 250 and Psychology 100. Those planning to enter graduate work should include two courses in economics, for which a course in principles is a prerequisite, and courses in college algebra and trigonometry.





## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Mechanization Major: For students who wish to obtain a group of courses in structures, conservation, and machinery and power, in preparation for work with either service organizations, retail dealers, power suppliers, contractors, farm management companies, or as farmers.

<u>Agricultural Courses:</u>	<u>Hours</u>
Agr. Engineering 131--Field and Power-Driven Machinery (I)	3
Agr. Engineering 142--Gas Engines and Tractors (II)	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 242--Gasoline, Liquid Petroleum Gas, and Diesel Tractors (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 272--Farm Buildings (II)	3
Agr. Engineering 331--Function, Application, Adjustment and Management of Farm Machinery (S)	3
Agr. Engineering 393--Special Problems (I, II)	3
Agr. Economics 220--Farm Management (I, II)	3
Agr. Economics 302--Financing Agriculture (II)	3
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agronomy 305--Laboratory in Soil Physics (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3

Other Courses:

Accountancy 201--Fundamentals of Accounting (I, II)	3
Business English 151--Business Letter Writing (I, II)	3
Business English 271--Sales Writing (I, II)	2
Business Law 261--Summary of Business Law (I, II)	3
Economics 254--Business Finance (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 212--Retail Sales Promotion (I, II)	2
Marketing 271--Salesmanship (I, II)	2
Mathematics 111 or 112--Algebra or College Algebra (I, II)	5 or 3
Mathematics 114--Plane Trigonometry (I, II)	2
Philosophy 102--Logic (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3
Speech 111--Business and Professional Speaking (I, II)	2

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## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Rural Group Leadership Major: For students preparing for work in extension, 4-H and other rural youth work, ministry, social welfare, recreation, library, foreign service,<sup>1/</sup> etc. Selection of courses in consultation with the adviser should be made to fit the particular interest of the student.

Suggested Agricultural Courses:Hours

Agr. Economics 201--Economic Relationships of Agriculture or Agr. Economics 211--Agricultural Economics of Latin-American Countries (I)	3
Agr. Economics 218--Land Economics (II)	3
Agr. Economics 273--Recreation in Rural Areas (II)	2
Agr. Economics 303--Agricultural Law (I, II)	3
Agr. Economics 305--Agricultural Development and Policies (I)	3
Agr. Economics 312--Farm Appraisals (II)	5
Agr. Economics 324--Farm Operation (II)	3
Agr. Economics 341--Agricultural Statistics (I) <sup>2/</sup>	3
Agr. Engineering 241--Electric Power for the Farm (I)	3
Agr. Engineering 252--Mechanics of Soil and Water Conservation (II)	3
Agr. Engineering 361--Development and Function of Family Housing (II)	3
Agriculture 206--Agricultural Extension (II)	3
Agriculture 214--Advanced Agricultural Journalism (II)	3
Agronomy 306--Fertilizers and Their Soil Reactions (I)	3
Agronomy 307--Principles of Soil Conservation (II)	3
Rural Sociology 117--Introduction to Rural Sociology (I, II)	3
Rural Sociology 277--Rural Social Problems (I), or Rural Sociology 297--Rural Social Movements, Farmers' Organizations and Social Policy (II)	3
Rural Sociology 317--Structure and Function of Rural Society in America (II), or Rural Sociology 377--Rural Community: Organization and Analysis (I)	3

Other Courses:

Anthropology 103--Introduction to Anthropology (I, II)	3
Economics 170--Elements of Statistics (I, II) <sup>2/</sup>	3
Philosophy 101--Introduction to Philosophy (I, II)	3
Philosophy 103--Ethics and Social Policy (I)	4
Political Science 150--American Government: Organization and Powers (I, II)	3
Political Science 191--Principles of Political Science (I, II), or Political Science 192--Current Problems of Government (I, II)	4
Psychology 103--Human Behavior (I, II)	4
Psychology 255--Social Psychology (I, II)	3
Sociology 212--Culture Patterns and the Individual (I, II)	3
Sociology 225--Racial and Cultural Minorities (I, II)	3
Sociology 270--Population and Human Ecology (I or II)	3

<sup>1/</sup> A student who expects to work in a foreign country should take an appropriate foreign language (French, Spanish, German, etc.)

<sup>2/</sup> It is recommended that students choose between Agr. Econ. 341 and Econ. 170.



## SUGGESTED MAJORS FOR STUDENTS IN GENERAL AGRICULTURE CURRICULUM

Pomology Major: For students preparing for work in fruit production and marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 262--Tree and Small Fruit Culture (I)	3
Horticulture 307--Fruit Diseases (I)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 363--Advanced Pomology (I, alternate years)	3
Horticulture 367--Morphological, Anatomical, and Physiological Characteristics of Fruits (I, alternate years)	3
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5
Entomology 319--Chemical Control of Insects (II)	4

Vegetable Crops Major: For students preparing for work in vegetable crop production or marketing.

<u>Agricultural Courses:</u>	<u>Hours</u>
Horticulture 242--Vegetable Crops Production (II)	3
Horticulture 308--Vegetable and Canning Crops Diseases (I, alternate years)	3
Horticulture 317--Plant Pathology (I)	4
Horticulture 333--Marketing Horticultural Products (I)	3
Horticulture 345--Growth and Development of Vegetable Crops (I, alternate years)	4
Horticulture 382--Improvement of Horticultural Crops by Breeding (II, alternate years)	3
Agronomy 323--Improvement of Farm Crops by Breeding (I)	3
Entomology 101--Agricultural Entomology (I, II)	3

Other Courses:

Bacteriology 104--Elementary Bacteriology (I, II)	5
Botany 130--Plant Physiology (I)	5





General Agriculture Curriculum with Major for Teachers of Vocational  
Agriculture (for the degree, Bachelor of Science in Agriculture)

First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Bot. 100-General Botany	4	Chem. 111-General Chem- istry	5
Hygiene 101-Health Lect., or Hygiene 104-Pers. & Comm. Hygiene	2	Rhetoric 102-Rhet. & Comp.	3
Rhetoric 101-Rhet. & Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	One course from Group I	3 or 4
Total	17	Total	17 or 18

Second Year

Agr. Eng. 111-Farm Structures and Soil and Water Conservation, or 112-Tractors and Field Machinery	3	Agr. Eng. 112-Tractors and Field Machinery, or 111-Farm Struc- tures and Soil and Water Con- servation	3
Educ. 101-The Nature of the Teach- ing Profession	2	Chem. 132-Elem. Org. Chem.	3
Geol. 105-Agricultural Geol.	3	Econ. 108-Elem. of Economics	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Two courses from Group I	6	Two courses from Group I	6
Total	16	Total	17

Third Year

Agron. 201-Soils	5	Agr. Econ. 220-Farm Mgmt.	3
Psych. 100-Intro. to Psych.	4	Educ. 201-Found. of Am. Educ.	2
Speech 101-Prin. of Effective Speaking	3	Educ. 240-Prin. of Sec. Educ.	2
Agricultural Electives	3 to 6	Hist. 152-History of U. S.	3
Total	15 to 18	Agricultural Electives	6
		Total	16

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Educ. 276-Pract. in Agr. Ed.	5	Pol. Sci. 150-American Govt.	3
Agr. Educ. 277-Programs & Pro- cedures in Agr. Education	5	Electives (including 2 hours of humanities) <sup>2/</sup>	11 to 17
Agr. Eng. 201-Farm Shop Work, or Da. Sci. 204-Dairy Production <sup>1/</sup> or other Agr. Elective	2 or 3		
Educ. 211-Educ. Psych.	3		
Total	15 or 16	Total	14 to 20

Total hours credit required for the B. S. degree. . . . .130

<sup>1/</sup> Da. Sci. 204 offered second semester only.

<sup>2/</sup> A total of six hours of humanities is necessary for certification.





Group 1--Courses in agriculture required of all students in the General Agriculture, Teacher Training Curriculum.

<u>Courses</u>	<u>Hours</u>
Agr. Econ. 100--Introductory Agr. Economics <sup>1/</sup>	3
Agronomy 121--Crop Production	4
An. Sci. 101--Introduction to Animal Science	3
An. Sci. 102--Principles of Feeding	3
Da. Sci. 100--Introduction to Dairy Prod.	3
Horticulture 100--Introductory Horticulture <sup>1/</sup>	3
Forestry 101--General Forestry, or Forestry 102-- Farm Forestry, or Hort. elective	<u>3</u>
Total	22

Fifth Year

(for the degree, Master of Science in Agricultural Education)

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Agricultural Courses With Graduate Credit	2	Agricultural Courses With Graduate Credit	2
Educ. 311--Psych. of Learning for Teachers	1/2	Two of the following courses:	
Educ. 312--Mental Hygiene and the School	1/2	Educ. 301--Philos. of Educ.	1/2
Electives	1	Educ. 302--Hist. of Am. Educ.	1/2
		Educ. 303--Comparative Educ.	1/2
		Educ. 304--Social Foundations of Education	1/2
		Electives	<u>1</u>
Total	<u>4</u>	Total	<u>4</u>

This fifth-year program is open only to students who have previously met the minimum requirement for teaching vocational agriculture under the Smith-Hughes and related acts. It is planned as a fifth year for students who have completed four years of college work fully equivalent to the General Curriculum in Agriculture with Major for Teachers of Vocational Agriculture.

Teachers planning to complete the requirements for this degree while employed should note the following regulations.

1. Four of the eight required units must be in Agriculture and must be selected with the approval of the adviser.
2. Not more than four units may be earned extramurally; of the credits earned extramurally, no more than two can be in Agriculture and no more than two can be in Education.

<sup>1/</sup> Students entering as juniors or seniors should substitute Agr. Economics 230 for Agr. Economics 100 and Horticulture 242 or 262 for Horticulture 100.



CURRICULUM IN GENERAL AGRICULTURE WITH MAJOR FOR TEACHERS OF VOCATIONAL AGRICULTURE--  
For the Degree, Bachelor of Science in Agriculture.

AGRICULTURE PRESCRIBED--These courses should be completed before the junior year or as soon thereafter as possible			AGRICULTURE ELECTIVES--The total of agr. prescribed and agr. elective courses must equal at least 50 hours			Earned:  To be earned:  A TRANSFER STUDENT MUST EARN AT LEAST 1/2 OF HIS AGR. HOURS IN RESIDENCE AT THE UNIV. OF ILLINOIS
	Credit	Grade		Credit	Grade	
Agr. Econ. 100	3					
Agr. Econ. 220	3					
Agr. Eng. 112	3					
Agr. Eng. 111	3					
Agron. 121	4					
Agron. 201	5					
An. Sci. 101	3					
An. Sci. 102	3					
Da. Sci. 100	3					
Hort. 100	3					
Forestry 101 or 102, or Hort. elective	3-2					
Total	35-36					
NON-AGRICULTURE PRESCRIBED:			SOCIAL STUDIES PRESCRIBED:			TOTAL HOURS EARNED:
Botany 100	4		History 152	3		
Chemistry 101 or 102	5-3		Pol. Sci. 150	3		
Chemistry 132	3		HUMANITIES (Minimum of 6 hrs.)			
Economics 108	3		Psychol. 100	4		
Geology 105	3		Humanities (Art, music, lang., lit., psych., phil., religion)			
Rhetoric 101	3		EDUCATION COURSES PRESCRIBED:			
Rhetoric 102	3		Education 101	2		
Speech 101	3		Education 201	2		
Zoology 104	4		Education 211	3		
Hygiene	2		Education 240	2		
Military	1		Agr. Educ. 276	5		
Military	1		Agr. Educ. 277	5		
Military	1		OPEN ELECTIVES:			
Military	1					
P. E.	1					
P. E.	1					
P. E.	1					
P. E.	1					

130 hours, inclusive of regular military and P.E., are required for the degree as outlined above. A minimum average of 3.0 is required for graduation. An all-University average of 3.5 is required for practice teaching.





Agricultural Science Curriculum  
(for the degree, Bachelor of Science in Agriculture)

This curriculum is especially designed for students who plan to do graduate study in agricultural fields or for those who wish to engage in technical work requiring more science or mathematics than is included in the General Agriculture Curriculum. Students entering this curriculum as freshmen must have a scholarship rank in the upper half of their graduating class, and those entering as transfers must have a scholastic average in their collegiate work of not less than 3.5 in terms of the grading system of the University of Illinois. Once enrolled, they must maintain an average of at least 3.5 to remain in the curriculum.

The curriculum lends itself to individualized programs of study. It presupposes careful individual planning under the supervision of a faculty adviser qualified in the student's special field of interest. For assistance in selecting a program plan and for assignment to an adviser, call at the office of the Associate Dean, 104 Mumford Hall.

Two options are provided in this curriculum:

- Option I. For students desiring preparation for graduate study or technical work in animal, plant, or soil science.
- Option II. For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

	Option I Minimum Hours	Option II Minimum Hours
General University Requirements (Hygiene, Military, Physical Education, and Rhetoric)	16	16
Group I. College of Agriculture Courses	35	35
Group II. Humanities (Art, Music, Language, Literature, Philosophy, Religion)	6	6
Group III. Social Science (Economics, Geography, History, Political Science, Psychology, Sociology)	6	16 <sup>2/</sup>
Group IV. Biological Science (Bacteriology, Botany, Entomology, Physiology, Zoology)	10 <sup>1/</sup>	6
Group V. Physical Science (Chemistry, Geology, Mathematics, Physics)	10 <sup>1/</sup>	16
Electives, Unrestricted	<u>22</u>	<u>35</u>
TOTAL required for graduation	130	130

<sup>1/</sup> All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

<sup>2/</sup> Students in Option II must include at least 8 semester hours in Economics.

THIS RECEIPT is to certify that the sum of \$100.00 has been received by the undersigned from the donor for the purpose of purchasing the property described in the foregoing schedule. The receipt is to be used by the donor as evidence of the payment of the purchase price of the property. The receipt is to be signed by the donor and the receipt is to be filed with the property.

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THE DONOR'S CERTIFICATE OF THE RECEIPT

I, the undersigned, do hereby certify that the sum of \$100.00 has been received by the undersigned from the donor for the purpose of purchasing the property described in the foregoing schedule.

IN WITNESS WHEREOF, I have hereunto set my hand and seal at the City of New York, this 1st day of January, 1901.

Amount	Received	For
\$100.00	100	For the purchase of the property described in the foregoing schedule.
100	100	For the purchase of the property described in the foregoing schedule.
100	100	For the purchase of the property described in the foregoing schedule.
100	100	For the purchase of the property described in the foregoing schedule.
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100	100	For the purchase of the property described in the foregoing schedule.
100	100	For the purchase of the property described in the foregoing schedule.



Agricultural Science Curriculum  
Sample programs for first year

Option I

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-General Chemistry	5 or 3	Chem. 105-Inorganic Chem. and Qualitative Analysis, or Chemistry 106-Inorganic Chemistry	5
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry <sup>1/</sup>	2
Math. 111 or 112-College Algebra <sup>1/</sup>	5 or 3	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Electives	3 to 6
Electives	0 to 5		<u>15 to 18</u>
	<u>15 to 18</u>		

Option II

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Math. 111 or 112-College Algebra or Math. 114-Plane Trigonometry	5, 3 or 2	Math. 114-Plane Trigonometry or Chem. 101-General Chem.	2 to 5
Hygiene 101-Health Lectures	2	Rhet. 102-Rhet. & Comp.	3
Rhet. 101-Rhet. & Comp.	3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Botany 100-General Botany	4
Agr. Econ. 100-Introductory Agricultural Economics	3	Agriculture electives	3 to 4
Electives	0 to 3		<u>15 to 17</u>
	<u>15 to 18</u>		

Second, Third, and Fourth Years

The programs for the second, third, and fourth years must be planned in consultation with the student's faculty adviser.

Total required for graduation.....130

Students interested in combined programs of Agriculture and Agricultural Engineering should see pages 27-29. Those interested in combining Agriculture and Law should see pages 30-31.

<sup>1/</sup> The student planning to take advanced work in chemistry may take Mathematics 117-127 instead of the indicated mathematics courses.

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AGRICULTURAL SCIENCE CURRICULUM--For the degree, Bachelor of Science in Agriculture.  
Option I--For students desiring preparation for graduate study or technical work in animal plant, or soil science.

Option II--For students desiring preparation for graduate study or technical work in the fields included in agricultural economics and rural sociology.

GENERAL UNIVERSITY REQUIREMENTS (16 hrs.)					
	Credit	Grade			
Rhet. 101	3		GROUP III--Social Sciences (Econ., geog. hist., pol. sci., psych., soc.) Option I-- Minimum of 6 hrs.; Option II--Minimum of 16 hrs.*		
Rhet. 102	3				
Hygiene	2				
Military	1				
Military	1				
Military	1				
P. E.	1				
P. E.	1				
P. E.	1				
P. E.	1		Credit Grade		
GROUP I--College of Agriculture Courses Minimum of 35 hrs. required. A transfer student must earn at least 1/2 of his agr. hours <u>in residence</u> at the Univ. of Ill.			GROUP IV--Biological Sciences (Bact., bot., entom., physiol., zool.) Option I--Minimum of 10 hrs*; Option II--Minimum of 6 hrs.		
			GROUP V--Physical Sciences (Chem., geol., math., physics) Option I--Minimum of 10 hrs*; Option II--Minimum of 16 hrs.		
GROUP II--Humanities (Art, music, lang., lit., philos., relig.) Option I--Minimum of 6 hrs.; Option II--Minimum of 6 hrs.			Open Electives:		
			Total hours earned _____		

\* All students in Option I must complete a total of 45 semester hours in Groups IV and V combined, with a minimum of 10 hours in each.

Students in Option II must include at least 8 semester hours in Economics.

130 hours, inclusive of regular Mil. & P.E., are required for the degree as outlined above. To enroll in this curriculum, freshmen must rank in the upper half of their high school graduating class; transfer students must have an average of 3.5 or higher.



<p>1910</p>	<p>1911</p>	<p>1912</p>	<p>1913</p>	<p>1914</p>	<p>1915</p>	<p>1916</p>	<p>1917</p>	<p>1918</p>	<p>1919</p>
<p>1920</p>	<p>1921</p>	<p>1922</p>	<p>1923</p>	<p>1924</p>	<p>1925</p>	<p>1926</p>	<p>1927</p>	<p>1928</p>	<p>1929</p>
<p>1930</p>	<p>1931</p>	<p>1932</p>	<p>1933</p>	<p>1934</p>	<p>1935</p>	<p>1936</p>	<p>1937</p>	<p>1938</p>	<p>1939</p>
<p>1940</p>	<p>1941</p>	<p>1942</p>	<p>1943</p>	<p>1944</p>	<p>1945</p>	<p>1946</p>	<p>1947</p>	<p>1948</p>	<p>1949</p>
<p>1950</p>	<p>1951</p>	<p>1952</p>	<p>1953</p>	<p>1954</p>	<p>1955</p>	<p>1956</p>	<p>1957</p>	<p>1958</p>	<p>1959</p>
<p>1960</p>	<p>1961</p>	<p>1962</p>	<p>1963</p>	<p>1964</p>	<p>1965</p>	<p>1966</p>	<p>1967</p>	<p>1968</p>	<p>1969</p>
<p>1970</p>	<p>1971</p>	<p>1972</p>	<p>1973</p>	<p>1974</p>	<p>1975</p>	<p>1976</p>	<p>1977</p>	<p>1978</p>	<p>1979</p>
<p>1980</p>	<p>1981</p>	<p>1982</p>	<p>1983</p>	<p>1984</p>	<p>1985</p>	<p>1986</p>	<p>1987</p>	<p>1988</p>	<p>1989</p>
<p>1990</p>	<p>1991</p>	<p>1992</p>	<p>1993</p>	<p>1994</p>	<p>1995</p>	<p>1996</p>	<p>1997</p>	<p>1998</p>	<p>1999</p>
<p>2000</p>	<p>2001</p>	<p>2002</p>	<p>2003</p>	<p>2004</p>	<p>2005</p>	<p>2006</p>	<p>2007</p>	<p>2008</p>	<p>2009</p>

Agricultural Science and Agricultural Engineering Curricula  
5-Year Combined Programs  
(for the degrees, Bachelor of Science in Agriculture  
and Bachelor of Science in Agricultural Engineering)

Students interested in obtaining a Bachelor of Science degree in Agricultural Engineering may follow either one of two plans: (1) enroll in the College of Engineering and complete the four-year curriculum in agricultural engineering; (2) enroll in the College of Agriculture in either the Agricultural Science or General Agriculture Curriculum and meet the requirements prescribed, at the same time following the program outlined in the Agricultural Engineering Curriculum of the College of Engineering. By this plan, the two degrees can normally be completed in 10 semesters.

Students interested in the combined programs should enroll in the College of Agriculture for the first three years and then transfer to the College of Engineering for the fourth and fifth years. By the end of the third year, the student must choose between the "Power and Machinery Option" and the "Structures, Soil and Water Engineering Option." A semester-by-semester sequence of courses is shown on this and the following pages for combining Option I of the Agricultural Science Curriculum (see page 24) and the Agricultural Engineering Curriculum. Special attention is called to the requirement that students must rank in the upper half of their high school graduating class to enroll in the Agricultural Science Curriculum and must maintain a 3.5 average to remain in it.

First Year  
(Enroll in College of Agriculture)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 102 or 103-General Chem.	3 or 4	Chem. 104-Chemistry of Metallic Elements	4
Engr. 100-Engineering Lectures	0	G.E. 101-Engineering Drawing	3
Hygiene 101-Health Lectures	2	Math. 123-Analytical Geometry	5
Math. 111 or 112-Coll. Alg. <sup>1/</sup>	5 or 3	Rhet. 102-Rhetoric and Comp.	3
Math. 114-Plane Trig. <sup>1/</sup>	2	Physical Education	1
Rhet. 101-Rhetoric and Comp.	3	Military (men)	1
Physical Education	1		
Military (men)	1		
Total	15 to 18	Total	17

Second Year

Agr. Eng. 111-Farm Struc. and Soil and Water Cons.	3	Agr. Eng. 112-Tractors and Field Machinery	3
Botany 100-General Botany	4	Math. 142 or 143-Calculus	3 or 5
G.E. 102-Engineering Geometry	3	Physics 106-Mechanics	4
Math. 132 or 133-Calculus	5 or 3	Physical Education	1
Physical Education	1	Military (men)	1
Military (men)	1	Approved Elective <sup>2/</sup>	6 or 3
Total	15 to 17	Total	17 or 18

<sup>1/</sup> Those students with 4 years of high school mathematics may take Math. 123 the first semester and follow the Common Program for Freshmen in the College of Engineering.

<sup>2/</sup> See page 29 for a listing of approved electives.





Third Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 121-Crop Production	4	Agr. Econ. 220-Farm Management	3
Econ. 108-Elements of Economics	3	Physics 108-Heat, Sound, Light	4
Geology 105-Agr. Geology	3	T.A.M. 156-Analytical Mechanics (Statics and Dynamics)	5
Physics 107-Electricity and Magnetism, Modern Physics	4	Approved Elective <sup>1/</sup>	3
Approved Elective <sup>1/</sup>	3		
Total	<u>17</u>	Total	<u>15</u>

## POWER AND MACHINERY OPTION

Fourth Year

(Student may transfer to College of Engineering)

Agr. Eng. 231-Farm Machine Char- acteristics and Mechanisms	3	Agr. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	Agronomy 201-Soils	5
E.E. 207-DC and AC Circ. Lab.	1	M.E. 209-Thermodynamics	3
M.E. 221-Mech. of Machinery	5	M.E. 224-Design of Machine Elements	3
T.A.M. 221-Resistance of Materials	3	Approved Elective <sup>1/</sup>	3
T.A.M. 223-Resistance of Ma- terials Laboratory	1		
Total	<u>16</u>	Total	<u>17</u>

Fifth Year

(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 332-Design of Agri- cultural Machinery	3
Agr. Eng. 341-Farm Power	3	Agr. Eng. 393-Special Problems	3
M.E. 182-Manufacturing Proc- esses	3	M.E. 234-Heat Treatment of Metals	3
M.E. 271-Design of Machine Elem.	3	Approved Electives <sup>1/</sup>	6
Approved Electives <sup>1/</sup>	6 or 7	Total	<u>15</u>
Total	<u>15 or 16</u>		

<sup>1/</sup> See page 29 for a listing of approved electives.

Date	Description	Amount	Particulars
1890	...	...	...
1891	...	...	...
1892	...	...	...
1893	...	...	...
1894	...	...	...
1895	...	...	...
1896	...	...	...
1897	...	...	...
1898	...	...	...
1899	...	...	...
1900	...	...	...

Date	Description	Amount	Particulars
1890	...	...	...
1891	...	...	...
1892	...	...	...
1893	...	...	...
1894	...	...	...
1895	...	...	...
1896	...	...	...
1897	...	...	...
1898	...	...	...
1899	...	...	...
1900	...	...	...

Date	Description	Amount	Particulars
1890	...	...	...
1891	...	...	...
1892	...	...	...
1893	...	...	...
1894	...	...	...
1895	...	...	...
1896	...	...	...
1897	...	...	...
1898	...	...	...
1899	...	...	...
1900	...	...	...

...

## STRUCTURES, SOIL AND WATER ENGINEERING OPTION

Fourth Year

(Student may transfer to College of Engineering)

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Agronomy 201-Soils	5	Agri. Eng. 282-Electricity in Agriculture	3
E.E. 206-DC and AC Circuits	3	C.E. 115-General Surveying	3
E.E. 207-DC and AC Circ. Lab.	1	C.E. 235-Plain Concrete	2
T.A.M. 221-Resistance of Materials	3	C.E. 261-Structural Analysis	4
T.A.M. 223-Resistance of Materials Laboratory	1	T.A.M. 232-Fluid Mechanics	3
Approved Elective	3	T.A.M. 234-Fluid Mechanics Lab.	1
Total	16	Total	16

Fifth Year

(Latest date to transfer to College of Engineering)

Agr. Eng. 299-Inspection Trip	0	Agr. Eng. 371-Advanced Farm Structures	3
Agr. Eng. 351-Hydraulics of Soil Conservation	3	Agr. Eng. 393-Special Problems	3
C.E. 262-Structural Analysis	3	C.E. 264-Structural Design	5
C.E. 263-Elem. Struc. Design	2	Approved Electives	3 to 5
C.E. 290-Contracts & Specif.	2		
M.E. 209-Thermodynamics	3		
Approved Elective	3		
Total	16	Total	14 to 16

Approved Electives must include the following:

- (1) 6 hours biological science in addition to Botany 100 (zoology, entomology, botany, bacteriology, physiology)
- (2) 6 hours humanities (art, music, language, literature, philosophy, religion)
- (3) 3 hours social science in addition to Economics 108 (economics, geography, history, political science, psychology, sociology)
- (4) 2 hours more in agriculture in Power and Machinery Option.  
5 hours more in agriculture in Structures, Soil and Water Engineering Option.
- (5) Sufficient open electives to total 160 hours.





## Six-Year Program in Agriculture and Law

A plan exists between the College of Agriculture and the College of Law by which a student may earn the degree of Bachelor of Science in Agriculture and the degree of Bachelor of Laws in six years. In this case the student must plan carefully so as to include all prescribed courses in agriculture during the first three years, after which he transfers to the College of Law for the fourth year. He can thus receive the agricultural degree at the end of the fourth year and the law degree at the end of the sixth year. This program can best be fitted into the Agricultural Science Curriculum under Option II.

The following listing of courses is intended as a guide. Other courses may be substituted in some cases for those listed here; however, completion of the courses as shown will assure that the student meets all requirements for the degree in the Agricultural Science Curriculum, Option II (see page 24). Students following this program should ask to be assigned an adviser for the six-year program in agriculture and law.

### SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM (for the degree, Bachelor of Science in Agriculture)

(Six semesters in agriculture--six semesters in law)

#### A. Required courses

Rhetoric	6
Hygiene	2
Military	4
Physical Education	4

16

#### B. Suggested courses to meet requirements of 35 hours in agriculture (Group I)

Agricultural Economics 100, 220, 230, 302	12
Agricultural Engineering 111	3
Agronomy 121 and 201	9
Animal Science 101, 102	6
Dairy Production 100	3
Horticulture 100	3

(Students interested in Agricultural Economics 200--Special Problems in Agricultural Law, should consult with their adviser.)

#### C. Suggested courses to meet requirements of 44 hours from Groups II thru V (Minimum of 6 hours in Groups II and IV; minimum of 16 hours in Groups III and V)

##### Group II Courses

Philosophy 102 or 104	3 to 4
Humanities electives	2 to 3

6





## SUGGESTED AGRICULTURAL SCIENCE PRE-LAW CURRICULUM--Continued

## Group III Courses

Economics 108, 109, and 250 (8 hours required)	9	
Political Science 150	3	
Psychology 100	4	
		16

## Group IV Courses - two of the following

Zoology 104, or Botany 100, or		
Entomology 101		
		7 or 8

## Group V Courses

Chemistry 101 or 111, and 132		
Geology 101 or 105, and 140		
Math. Electives		
Physics 101 and 102		16

D. Suggested Electives

Speech 101	3	
Accountancy 201	3	
		<u>6</u>

Total hours in three years.....	103
Law courses to complete requirement for degree.....	<u>27</u>
Total Required for Degree in Agriculture.....	130

Note: The 103 hours would be completed during the six semesters in agriculture. Completion of at least 27 hours in law school during the fourth year would qualify the student for graduation from the College of Agriculture.

Page 11 of 11  
CONFIDENTIAL - SECURITY INFORMATION  
10/10/10

CONFIDENTIAL - SECURITY INFORMATION  
10/10/10

CONFIDENTIAL - SECURITY INFORMATION  
10/10/10

CONFIDENTIAL - SECURITY INFORMATION

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10/10/10

CONFIDENTIAL - SECURITY INFORMATION  
10/10/10

CONFIDENTIAL - SECURITY INFORMATION  
10/10/10

**Dairy Technology Curriculum**  
(for the degree, Bachelor of Science in Dairy Technology)

First Year

This curriculum is for students interested in the technical or business aspects of dairy manufacturing. All students specializing in dairy technology are expected to take an inspection trip either in the junior or senior year. This trip costs about \$35.

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Chem. 105-Inorg. Chem. and Qualitative Analysis	5
Hygiene 101-Health Lectures	2	Da. Sci. 100-Intro. Da. Prod.	3
Math. 111 or 112-Coll. Alg.	5 or 3	Math. 114-Plane Trigonometry	2
Rhet. 101-Rhetoric and Comp.	3	Rhet. 102-Rhetoric and Comp.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
<b>Total</b>	<b>13 to 17</b>	<b>Total</b>	<b>15</b>

Second Year

Bact. 104-Elementary Bact.	5	Chem. 122-Elem. Quan. Analysis	5
Da. Tech. 101-Intro. Da. Tech.	3	Da. Sci. 150-Gen. Da. Bact.	2
Econ. 108-Elements of Economics	3	Da. Sci. 151-Gen. Da. Bact.	3
Physical Education	1	Da. Tech. 102-Quality Evaluation of Dairy Products	3
Military (men)	1	Physical Education	1
Electives	3	Military (men)	1
<b>Total</b>	<b>16</b>	Electives	2 or 3
		<b>Total</b>	<b>17 or 18</b>

Third Year

Chem. 133-Elem. Org. Chem.	5	Accy. 201-Fundamentals of Accounting	3
Da. Tech. 303-Cheese Mfr.	3	Da. Tech. 302-Creamery Butter Mfr.	3
Da. Tech. 304-Market Milk	3	Physics 102-General Physics (Light, Elec., and Magnetism)	5
Physics 101-General Physics (Mechanics, Heat, and Sound)	5	Electives	6
Electives	2 or 3	<b>Total</b>	<b>17</b>
<b>Total</b>	<b>18 or 19</b>		

Fourth Year

Da. Tech. 301-Ice Cream Mfr.	3	Da. Tech. 306-Condensed Milk and Milk Powder Mfr.	3
Electives	15	Electives	15
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18</b>

Total required for graduation. . . . . 130



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DATE	LIBRARY	RECEIVED	BY
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1932	NEW YORK PUBLIC LIBRARY	2200	LIBRARIAN
1933	NEW YORK PUBLIC LIBRARY	2300	LIBRARIAN
1934	NEW YORK PUBLIC LIBRARY	2400	LIBRARIAN
1935	NEW YORK PUBLIC LIBRARY	2500	LIBRARIAN
1936	NEW YORK PUBLIC LIBRARY	2600	LIBRARIAN
1937	NEW YORK PUBLIC LIBRARY	2700	LIBRARIAN
1938	NEW YORK PUBLIC LIBRARY	2800	LIBRARIAN
1939	NEW YORK PUBLIC LIBRARY	2900	LIBRARIAN
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DATE	LIBRARY	RECEIVED	BY
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1942	NEW YORK PUBLIC LIBRARY	3200	LIBRARIAN
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1946	NEW YORK PUBLIC LIBRARY	3600	LIBRARIAN
1947	NEW YORK PUBLIC LIBRARY	3700	LIBRARIAN
1948	NEW YORK PUBLIC LIBRARY	3800	LIBRARIAN
1949	NEW YORK PUBLIC LIBRARY	3900	LIBRARIAN
1950	NEW YORK PUBLIC LIBRARY	4000	LIBRARIAN

### Dairy Technology Curriculum--Continued

Group I: A minimum of 15 hours is required in courses offered by the College of Agriculture in addition to those agricultural courses prescribed. Electives in this group are to be chosen from advanced courses with the guidance of an adviser.

#### Suggested Group I electives:

	<u>Hours</u>
Agr. Econ. 334--Marketing Dairy Products (II)	3
An. Sci. 105--Animal Hygiene (I)	3
Da. Sci. 350--Advanced Dairy Bacteriology (I)	4
Da. Tech. 201--Special Problems in Dairy Technology (I, II)	5
Da. Tech. 308--Plant Management (II)	3
Home Econ. 120--Elementary Nutrition (I, II)	2

Group II: A minimum of 12 hours to be selected from art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

#### Suggested Group II electives:

Economics 240--Labor Problems (I, II)	3
Economics 248--Personnel Administration (I, II)	3
Economics 250--Money, Credit, and Banking (I, II)	3
French 101 and 102--Elementary Course (I, II)	8
German 101 and 102--Elementary Course (I, II)	8
Pol. Sci. 150--American Government: Organization and Powers (I, II)	3
Pol. Sci. 151--American Government: Functions (I, II)	3
Psych. 100--Introduction to Psychology (I, II)	4
Soc. 100--Principles of Sociology (I, II)	3
Speech 101--Principles of Effective Speaking (I, II)	3

#### Suggested Open electives:

Bus. Law 261--Summary of Business Law (I, II)	3
Marketing 101--Principles of Marketing (I, II)	3
Marketing 211--Principles of Retailing (I, II)	3
Marketing 271--Salesmanship (I, II)	2
Rhet. 151--Business Letter Writing (I, II)	3





UNIVERSITY OF ILLINOIS  
Curriculum in DAIRY TECHNOLOGY

34.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	Hours	Grade	Group I--A minimum of 15 hours in courses offered by the College of Agriculture in addition to those prescribed. Electives in this group are to be chosen from advanced courses under guidance of an adviser.	Hours	Grade	Group I Hours earned:
Accy. 201	3					
Bact. 104	5					
Chem. 101 or 102	5-3					Hours to be earned:
Chem. 105	5					
Chem. 122	5					
Chem. 133	5					
Da. Sci. 100	3					
Da. Sci. 150	2					
Da. Sci. 151	3					
Da. Tech. 101	3					
Da. Tech. 102	3					
Da. Tech. 301	3		Group II--Minimum of 12 hours selected from Art., Econ., For. Lang., Geog., Hist., Journ., Land. Arch., Law, Lit., Music, Philos., Pol. Sci., Psych., Religion, Sociol., Speech.			Group II Earned:
Da. Tech. 302	3					
Da. Tech. 303	3					
Da. Tech. 304	3					
Da. Tech. 306	3					
Econ. 108	3			Hours	Grade	Hours to be earned:
Math. 111 or 112	5 - 3					
Math. 114	2					
Hygiene	2					
Military	1					
Military	1					
Military	1					
Military	1					
P. E.	1		Open Electives	Hours	Grade	TOTAL HOURS EARNED:
P. E.	1					
P. E.	1					
P. E.	1					
Physics 101	5					
Physics 102	5					
Rhetoric 101	3					
Rhetoric 102	3					

130 hours, inclusive of regular military and physical education, are required for the degree as outlined above.

A minimum average of 3.0 is required for graduation.



Floriculture Curriculum  
(for the degree, Bachelor of Science in Floriculture)

This curriculum is for students preparing to grow and sell flowers and other ornamental plants or to do teaching and research in this field. Students registered in floriculture are required to make at least one inspection trip before graduation. The trip costs about \$30. Students contemplating graduate work in floriculture should register for the Chemistry 101 (102), Chemistry 105 and Chemistry 133 sequence, rather than the Chemistry 101 (102) or 111 and Chemistry 132 sequence.

First Year

<u>First Semester</u>	<u>Hours</u>		<u>Hours</u>
Botany 100-General Botany	4	Chem. 132-Elementary Organic Chemistry <sup>1/</sup>	3
Chem. 101, 102 or 111-General Chemistry <sup>1/</sup>	5 or 3	Entom. 101--Agricultural Entomology	3
Hort. 121-Plant Propagation	3	Rhet. 102-Rhet. & Comp.	3
Hygiene 101-Health Lectures	2	Physical Education	1
Rhet. 101-Rhet. & Comp.	3	Military (men)	1
Physical Education	1	Electives	5 to 7
Military (men)	1	Total	16 to 18
Total	17 to 19		

Second Year

Accy. 101-Prin. of Accounting	3	Accy. 105-Accounting Procedure	3
Bot. 130-Plant Physiology	5	Agron. 201-Soils	5
Econ. 108-Elements of Econ.	3	Bot. 160-Introductory Systematic Botany	3
Geol. 105-Agricultural Geology	3	Hort. 122-Greenhouse Mgmt.	3
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Electives	0 to 2	Electives	0 to 2
Total	16 to 18	Total	16 to 18

Third Year

Hort. 223-Commercial Floricultural Crops	3	Hort. 224-Commercial Floricultural Crops	3
Hort. 317-Plant Pathology	4	Hort. 230-Garden Flowers <sup>2/</sup>	3
Hort. 321-Floricultural Physiology	3	Hort. 322-Plant Nutrition	3
Land. Arch. 251-Trees and Shrubs	3	Land. Arch. 252-Trees and Shrubs	3
Electives	3 to 5	Electives	3 to 6
Total	16 to 18	Total	15 to 18

<sup>1/</sup> See next page.

<sup>2/</sup> See next page.





Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Hort. 231-Floral Decoration	3	Hort. 226-Tender Bedding Plants <sup>2/</sup>	3
Electives	12 to 15	Hort. 232-Floral Decoration	3
		Land. Arch. 164-Apprec. of Land- scape Architecture	3
		Electives	6 to 9
Total	15 to 18	Total	15 to 18

1/ Students who plan to take advanced chemistry (such as biochemistry) should take Chem. 101 and 133 instead of Chem. 111 and 132.

2/ Given in alternate years only.

Group II--A minimum of four hours to be selected from anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, or speech.

NOTE: The following courses are suggested as electives which may be taken during the second, third, or fourth year:

	<u>Hours</u>
Accy. 106-Elementary Cost Accounting (I, II)	3
Accy. 108-Intermediate Accounting (I,II)	3
Agr. 114-Agricultural Journalism (I, II)	3
Agron. 306-Fertilizers and Their Soil Reactions (I)	3
Art 185, 186-Design (I, II)	2-4
Bot. 322-Genetics (I)	4
Bus. Law 261-Summary of Business Law (I, II)	3
Econ. 250-Money, Credit, and Banking (I, II)	3
Entom. 319-Chemical Control of Insects (II)	4
Hort. 110-Plant and Animal Genetics (I, II)	3
Hort. 201-Special Problems (I, II)	3-5
Hort. 242-Vegetable Crops Production (II)	3
Hort. 262-Tree and Small Fruit Culture (I)	3
Hort. 333-Marketing Horticulture Products (I)	3
Hort. 345-Growth and Development of Vegetable Crops (I, alternate years)	4
Hort. 382-Improvement of Horticulture Crops by Breeding (II, alternate years)	3
Marketing 101-Principles of Marketing (I, II)	3
Marketing 211-Principles of Retailing (I, II)	3
Marketing 271-Salesmanship (I,II)	2
Marketing 281-Introduction to Advertising (I, II)	3
Rhet. 151-Business Letter Writing (I, II)	3

1954

Colony number 1000-1001, 1002  
1003, 1004, 1005, 1006, 1007  
1008, 1009, 1010, 1011, 1012  
1013, 1014, 1015, 1016, 1017

1. The first group of authors (e.g., [1, 2]) has shown that the use of a single, common, and simple model for all the components of the system is not only possible but also useful. This approach is based on the assumption that the system is a single, unified whole, and the components are not independent of each other. The authors of this approach have shown that the use of a single, common, and simple model for all the components of the system is not only possible but also useful. This approach is based on the assumption that the system is a single, unified whole, and the components are not independent of each other.

10

1. The first of these is the fact that the  
2. second is the fact that the  
3. third is the fact that the  
4. fourth is the fact that the  
5. fifth is the fact that the  
6. sixth is the fact that the  
7. seventh is the fact that the  
8. eighth is the fact that the  
9. ninth is the fact that the  
10. tenth is the fact that the

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific information required.

[illegible]



UNIVERSITY OF ILLINOIS  
Curriculum in FLORICULTURE

37.

COLLEGE OF AGRICULTURE  
Office of Associate Dean

Name \_\_\_\_\_

Date \_\_\_\_\_

Prescribed Courses	CREDIT	GRADE	Group II Minimum 4 hours selected from: anthro., art, econ, for. lang., geog., hist., journ., land. arch., law, lit., music, phil., pol. sci., psych., religion, soc., and speech	CREDIT	GRADE	SUMMARY
Accy. 101	3					Earned:
Accy. 105	3					
Agron. 201	5					
Bot. 100	4					To be
Bot. 130	5					earned:
Bot. 160	3					
Chem. 101, 102 or 111	5-3					
Chem. 132	3					
Econ. 108	3					
Entom. 101	3					
Geol. 105	3					
Hort. 121	3					
Hort. 122	3					
Hort. 223	3					
Hort. 224	3					
Hort. 226	3					
Hort. 230	3					
Hort. 231	3					
Hort. 232	3					
Hort. 317	4					
Hort. 321	3					
Hort. 322	3					
L. Arch. 164	3					
L. Arch. 251	3					
L. Arch. 252	3					
Rhet. 101	3					
Rhet. 102	3					
Hyg.	2					
Mil.	1					
Mil.	1					
Mil.	1					
Mil.	1					
P. E.	1-1					
P. E.	1-1					
			Open Electives			TOTAL HOURS EARNED:

130 hours, inclusive of regular military and physical education, are required for the degree, as outlined above.

A minimum average of 3.0 is required for graduation.



**Food Technology Curriculum**  
(for the degree, Bachelor of Science in Food Technology)

This program is designed for students who wish to prepare for employment as food production, quality control, research, or technical sales workers in governmental agencies, educational institutions, and in such food-processing industries as canning, freezing, fermenting, milling and baking, vegetable oil processing, and confection manufacturing. Students are strongly urged to engage in at least one summer of employment in selected food-processing industries and are required to go on a senior inspection trip of three days' duration. Estimated cost of inspection trip is \$35.

<u>First Year</u>			
<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 101 or 102-Gen. Chem.	5 or 3	Botany 100-General Botany	4
D.G.S. 111-Verbal Communication	4	Chem. 105-Inorganic Chemistry	
Hygiene 101-Health Lectures	2	and Qualitative Analysis	5
Math. 117-Combined Freshman		D.G.S. 112-Verbal Communication	4
Mathematics <sup>1/</sup>	5	Math. 127-Combined Freshman	
Physical Education	(1)	Mathematics <sup>1/</sup>	4
Military (men)	(1)	Physical Education	(1)
		Military (men)	(1)
Total	14 or 16	Total	17
<u>Second Year</u>			
Chem. 122-Elem. Quan. Analysis	5	Chem. 133-Elem. Org. Chem.	5
Math. 137-Calculus <sup>2/</sup>	3	Math. 147-Calculus <sup>2/</sup>	3
Physics 101-General Physics		Physics 102-Gen. Physics (Light,	
(Mechanics, Heat, and Sound)	5	Elec., and Magn.)	5
Physical Education	(1)	Physical Education	(1)
Military (men)	(1)	Military (men)	(1)
Electives	4	Electives	3
Total	17	Total	16
<u>Third Year</u>			
Bact. 104-Elem. Bact.	5	Bact. 308-Food and Industrial	
Chem. 347-Elem. Phys. Chem. <sup>3/</sup>	4	Microbiology	5
F. T. 201-Elem. of Food Tech.	3	Chem. 249-Chemistry of Colloids <sup>3/</sup>	3
F. T. 260-Raw Materials for		F. T. 202-Elements of Food	
Processing	4	Technology	3
Electives	0 to 3	Electives	6
Total	16 to 19	Total	17

<sup>1/</sup> Students lacking the necessary entrance requirements for Math. 117 will take the sequence of Math. 111-Algebra, Math. 114-Plane Trigonometry, and Math. 122-Analytic Geometry.

<sup>2/</sup> Students who follow the algebra, trigonometry, analytic geometry sequence will take Math. 132 and 142-Calculus.

<sup>3/</sup> Students adequately qualified may substitute Chem. 240 and 342-Elementary Physical Chemistry, for Chem. 347 and 249.





Fourth Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Chem. 350-Biochemistry	3	Chem. 329-Food Analysis	5
Chem. 354 or 355-Biochem. Lab.	2 or 3	F. T. 206-Inspection Trip	0
F. T. 301-Food Processing	4	F. T. 302-Food Processing	4
F. T. 363-Intro. to Process Engr.	3	F. T. 332-Principles of Sanitation in the Processing and Handling of Foods	2
Electives	3 or 4	Electives	5
Total	<u>16</u>	Total	<u>16</u>

Humanities and Social Studies Electives

A minimum of 15 hours must be selected from courses in anthropology, art, economics, foreign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, religion, sociology, and speech. Social science courses offered by the Division of General Studies may be used to satisfy this requirement. Students contemplating continuation of their studies for an advanced degree are advised to elect one of the foreign languages.

Total required for graduation (exclusive of physical education and military science). . . . .130

A minimum average of 3.0 is required for graduation.

TABLE 1

Year	Number of cases	Year	Number of cases
1950	10	1955	15
1951	12	1956	18
1952	15	1957	20
1953	18	1958	22
1954	20	1959	25
1960	25	1961	28
1962	30	1963	32
1964	35	1965	35
1966	40	1967	38
1968	45	1969	40
1970	50	1971	42
1972	55	1973	45
1974	60	1975	48
1976	65	1977	50
1978	70	1979	52
1980	75	1981	55
1982	80	1983	58
1984	85	1985	60
1986	90	1987	62
1988	95	1989	65
1990	100	1991	68
1992	105	1993	70
1994	110	1995	72
1996	115	1997	75
1998	120	1999	78
2000	125	2001	80
2002	130	2003	82
2004	135	2005	85
2006	140	2007	88
2008	145	2009	90
2010	150	2011	92
2012	155	2013	95
2014	160	2015	98
2016	165	2017	100
2018	170	2019	102
2020	175	2021	105
2022	180	2023	108
2024	185	2025	110

TABLE 2

The following table shows the number of cases of disease X in the United States from 1950 to 2025. The data is presented in two columns: Year and Number of cases. The number of cases generally increased over time, with a slight dip in the early 1960s and a more significant dip in the early 1980s. The data is presented in two columns: Year and Number of cases. The number of cases generally increased over time, with a slight dip in the early 1960s and a more significant dip in the early 1980s.

The following table shows the number of cases of disease X in the United States from 1950 to 2025. The data is presented in two columns: Year and Number of cases. The number of cases generally increased over time, with a slight dip in the early 1960s and a more significant dip in the early 1980s. The data is presented in two columns: Year and Number of cases. The number of cases generally increased over time, with a slight dip in the early 1960s and a more significant dip in the early 1980s.



**PRESCRIBED COURSES:**

PREScribed COURSES:	Credit	Grade	HUMANITIES AND SOCIAL STUDIES--	
Bact. 104	5		Minimum of 15 semester hours from: anthropology, art, economics, for- eign language, geography, history, journalism, landscape architecture, law, literature, music, philosophy, political science, psychology, re- ligion, sociology, and speech.	Earned:
Bact. 308	5			
Botany 100	4			
Chem. 101 or 102	5-3			
Chem. 105	5			
Chem. 122	5			
Chem. 133	5			
Chem. 347 <sup>1/</sup>	4			
Chem. 249 <sup>1/</sup>	3			
Chem. 329	5			
Chem. 350	3			
Chem. 354 or 355	2-3			
D. G. S. 111	4			
D. G. S. 112	4			
F. T. 201	3			
F. T. 202	3			
F. T. 206	0			
F. T. 260	4			
F. T. 301	4			
F. T. 302	4			
F. T. 332	2			
F. T. 363	3			
Mathematics 117 <sup>2/</sup>	5			
Mathematics 127	4			
Mathematics 137	3			
Mathematics 147	3			
Physics 101	5			
Physics 102	5			
Hygiene	2			
Military	1-1			
Military	1-1			
P. E.	1-1			
P. E.	1-1			
			OPEN ELECTIVES:	
				TOTAL HOURS

- 1/ Students adequately qualified may substitute Chem. 240 and 342, Elementary Physical Chemistry, for Chem. 347 and 249.
- 2/ Students lacking the necessary entrance requirements for Math. 117 will take the sequence, Math. 111, 114, 132, and 142.

130 hours, exclusive of regular military and P. E., are required for the degree. A minimum average of 3.0 is required for graduation.



**CURRICULUM IN RESTAURANT MANAGEMENT**  
(For the degree of Bachelor of Science in Restaurant Management)

The curriculum in restaurant management prepares students (both men and women) for managerial positions in restaurants and other commercial food service units. It also gives them basic training for purchasing agents, kitchen equipment and lay-out specialists, food inspectors and for other allied occupations.

<u>First Semester</u>	<u>First Year</u>		<u>Hours</u>
	<u>Hours</u>	<u>Second Semester</u>	
HE 130--Intro. to Foods & Nutrition	2	Chem. 132--Elem. Organic Chem.	3
Chem. 101 or 102--Gen. Chem.	5 or 3	Rhet. 102--Rhet. & Composition	3
Rhet. 101--Rhet. & Composition	3	Speech 101--Principles of Effective Speaking	3
Hyg. 101--Health Lectures	2	Phys. 103--Intro. to Human Physiology	4
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Elective	2-3	Elective	2-3
	<u>16-15</u>		<u>17-18</u>

<u>Second Year</u>			
HE 131--Foods	3	Bact. 104--Elem. Bact.	5
Psych. 103--Human Behavior	4	Rhet. 151--Bus. Letter Writing	2
Soc. 100--Principles of Soc.	3	Econ. 108--Elements of Econ.	3
English Literature	3	English Literature	3
Physical Education	1	Physical Education	1
Military Science (for men)	1	Military Science (for men)	1
Elective	2-3	Electives	2-3
	<u>17-18</u>		<u>17-18</u>

<u>Third Year</u>			
Mktg. 101--Principles of Mktg.	3	HE 220--Dietetics	3
An. Sci. 104--Selec. & Use of Meats	2	HE 240--Quantity Cookery	5
Econ. 240--Labor Problems	3	Econ. 248--Personnel Admin.	3
Bus. Law 261--Sum. of Bus. Law	3	Accy. 105--Accting. Procedure <sup>1/</sup> or Elective	3
Accy. 101--Principles of Accting. <sup>1/</sup>	3	Elective	3-4
Elective <sup>2/</sup>	2-3		<u>17-18</u>
	<u>16-17</u>		

<u>Fourth Year</u>			
HE 345--Institution Mgmt.	3	HE 253--Restaurant Interiors	3
HE 350--Inst. Diet. & Admin.	4	HE 355--Adv. Quan. Cook & Catering	3
Accy. 265--Hotel Accounting	3	Mgmt. 204--Indus. Purchasing	3
Electives	6-8	Electives	6-9
	<u>16-18</u>		<u>15-18</u>

NOTE: Two summers of a minimum of eight weeks each of practical restaurant experience are required and should be completed before registering in HE 355. This experience would normally come at the end of the second and third years.

<sup>1/</sup> Students may take Accy. 201 in place of Accy. 101 and 105.

<sup>2/</sup> Suggested electives: HE 232, Mgt. 101.



STANDARD FORMS OF CONTRACTS

These forms of contract are subject to change without notice

The following is a list of the standard forms of contract which are available for use in the construction industry. These forms are published by the Institution of Civil Engineers and are available for purchase from the Institution's Publications Department. The forms are published in two volumes, one for the design and construction of buildings and the other for the design and construction of civil engineering works. The forms are published in two editions, one for the design and construction of buildings and the other for the design and construction of civil engineering works. The forms are published in two editions, one for the design and construction of buildings and the other for the design and construction of civil engineering works.

STANDARD FORMS OF CONTRACT		STANDARD FORMS OF CONTRACT	
Form	Description	Form	Description
1	Design and Construction of Buildings	1	Design and Construction of Buildings
2	Design and Construction of Buildings	2	Design and Construction of Buildings
3	Design and Construction of Buildings	3	Design and Construction of Buildings
4	Design and Construction of Buildings	4	Design and Construction of Buildings
5	Design and Construction of Buildings	5	Design and Construction of Buildings
6	Design and Construction of Buildings	6	Design and Construction of Buildings
7	Design and Construction of Buildings	7	Design and Construction of Buildings
8	Design and Construction of Buildings	8	Design and Construction of Buildings
9	Design and Construction of Buildings	9	Design and Construction of Buildings
10	Design and Construction of Buildings	10	Design and Construction of Buildings

STANDARD FORMS OF CONTRACT		STANDARD FORMS OF CONTRACT	
Form	Description	Form	Description
11	Design and Construction of Buildings	11	Design and Construction of Buildings
12	Design and Construction of Buildings	12	Design and Construction of Buildings
13	Design and Construction of Buildings	13	Design and Construction of Buildings
14	Design and Construction of Buildings	14	Design and Construction of Buildings
15	Design and Construction of Buildings	15	Design and Construction of Buildings
16	Design and Construction of Buildings	16	Design and Construction of Buildings
17	Design and Construction of Buildings	17	Design and Construction of Buildings
18	Design and Construction of Buildings	18	Design and Construction of Buildings
19	Design and Construction of Buildings	19	Design and Construction of Buildings
20	Design and Construction of Buildings	20	Design and Construction of Buildings

STANDARD FORMS OF CONTRACT		STANDARD FORMS OF CONTRACT	
Form	Description	Form	Description
21	Design and Construction of Buildings	21	Design and Construction of Buildings
22	Design and Construction of Buildings	22	Design and Construction of Buildings
23	Design and Construction of Buildings	23	Design and Construction of Buildings
24	Design and Construction of Buildings	24	Design and Construction of Buildings
25	Design and Construction of Buildings	25	Design and Construction of Buildings
26	Design and Construction of Buildings	26	Design and Construction of Buildings
27	Design and Construction of Buildings	27	Design and Construction of Buildings
28	Design and Construction of Buildings	28	Design and Construction of Buildings
29	Design and Construction of Buildings	29	Design and Construction of Buildings
30	Design and Construction of Buildings	30	Design and Construction of Buildings

STANDARD FORMS OF CONTRACT		STANDARD FORMS OF CONTRACT	
Form	Description	Form	Description
31	Design and Construction of Buildings	31	Design and Construction of Buildings
32	Design and Construction of Buildings	32	Design and Construction of Buildings
33	Design and Construction of Buildings	33	Design and Construction of Buildings
34	Design and Construction of Buildings	34	Design and Construction of Buildings
35	Design and Construction of Buildings	35	Design and Construction of Buildings
36	Design and Construction of Buildings	36	Design and Construction of Buildings
37	Design and Construction of Buildings	37	Design and Construction of Buildings
38	Design and Construction of Buildings	38	Design and Construction of Buildings
39	Design and Construction of Buildings	39	Design and Construction of Buildings
40	Design and Construction of Buildings	40	Design and Construction of Buildings

The following is a list of the standard forms of contract which are available for use in the construction industry. These forms are published by the Institution of Civil Engineers and are available for purchase from the Institution's Publications Department. The forms are published in two volumes, one for the design and construction of buildings and the other for the design and construction of civil engineering works. The forms are published in two editions, one for the design and construction of buildings and the other for the design and construction of civil engineering works.

CHECK SHEET  
for degree, B.S. in Restaurant Management

42.

Curriculum in Restaurant Management

COLLEGE OF AGRICULTURE  
Office of Associate Dean

NAME \_\_\_\_\_  
DATE \_\_\_\_\_

PREScribed COURSES	CREDIT	GRADE	PREScribed	CREDIT	GRADE
Accy. 101 & 105 or Accy. 201	3-3		Rhet. 101	3	
Accy. 265	3		Rhet. 102	3	
	3		Rhet. 151	3	
Animal Sci. 104	2				
Bact. 104	5		Soc. 100	3	
Bus. law 261	3		Speech 101	3	
Chem. 101 or 102	5-3		*Summer Practice 1	0	
Chem. 132	3		*Summer Practice 2	0	
			OPEN ELECTIVES:		
Econ. 108	3				
Econ. 240	3				
Econ. 248	3				
Engl. Lit. (total of	3-4				
Engl. Lit. (6 hours	3-2				
Home Econ. 130	2				
Home Econ. 131	3				
Home Econ. 220	3				
Home Econ. 240	5				
Home Econ. 253	3				
Home Econ. 345	3				
Home Econ. 350	4				
*Home Econ. 355	3				
Hygiene 101	2				
Management 204	3				
Marketing 101	3				
Military (for men)	1-1				
Military (for men)	1-1				
P. E. M. or P. E. W.	1-1		AVERAGE (Minimum	TOTAL HOURS (130 hours, including PE and Mil.)	
P. E. M. or P. E. W.	1-1		of 3.0 required for graduation)		
Physiol. 103	4				
Psych. 103	4				

\*Two summers (or equivalent) of a minimum of eight weeks each of practical restaurant experience are required and **must** be completed before registering in Home Econ. 355. This experience would normally come at the end of the second and third years.

Statement of Assets and Liabilities

As at the end of the year

Assets		Liabilities	
Fixed Assets		Capital	
Land and Buildings	100	Share Capital	100
Plant and Machinery	50	Reserves	50
Stocks	20		
Debtors	10		
Prepaid Expenses	5		
Current Assets	105		
Bank Balance	10		
Other Current Assets	95		
Total Assets	205	Total Liabilities	205

This statement is prepared on the basis of the accounts of the company for the year ended 31st December 1999. The figures are in thousands of dollars.



## Preforestry Two-Year Curriculum

The object of the two-year Preforestry Curriculum is to prepare young men to enter a school of professional forestry with two years' advanced standing. The Preforestry Curriculum provides a course of study similar to that given during the first two years at a school of forestry. Completion of the Preforestry Curriculum requires a minimum of 60 hours of work in addition to the University requirements in military training and physical education. Many forestry schools have adopted high scholarship requirements and will not accept students who do not maintain high grades. Some of them will not accept out-of-state students whose averages in their preforestry work are below B. A student who wishes to follow this curriculum should declare his intention as soon as possible and ask to be assigned to a faculty adviser in the Department of Forestry. The faculty adviser should be consulted about the choice of electives best suited to admission to the particular school of forestry which the individual expects to enter.

### First Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
Botany 100-General Botany	4	Chem. 101 or 102-Gen. Chem.	5 or 3
Forestry 101-General Forestry	3	G. E. 101-Engineering Drawing	3
Hygiene 101-Health Lectures	2	Math. 114-Plane Trigonometry	2
Math. 111 or 112-Algebra	5 or 3	Rhet. 102-Rhet. and Comp.	3
Rhet. 101-Rhet. and Comp.	3	Zoology 104-Elem. Zoology	4
Physical Education	1	Physical Education	1
Military (men)	1	Military (men)	1
Total	17 or 19	Total	17 or 19

### Second Year

C. E. 115-General Surveying	3	Agronomy 201-Soils	5
Econ. 108-Elements of Economics	3	Physical Education	1
Geology 105-Agricultural Geology	3	Military (men)	1
Physical Education	1	Electives	11
Military (men)	1		
Electives	5 to 7		
Total	16 to 18	Total	18

### Electives

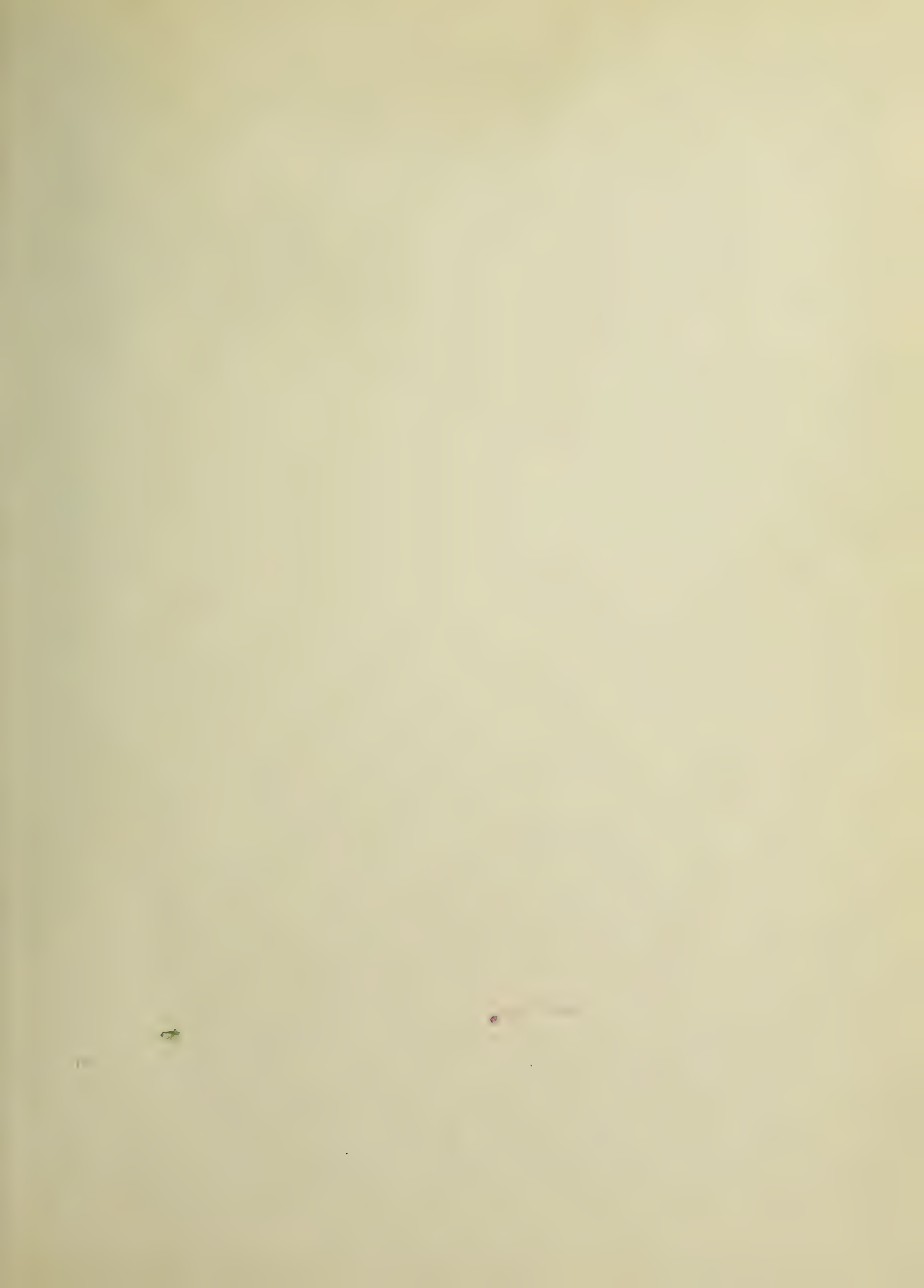
Bot. 130-Plant Physiology (I)	5
Bot. 160-Introductory Systematic Botany (I or II)	3
Chem. 132-Elementary Organic Chemistry (I,II)	3
Geog. 111-Introduction to Meteorology (I, II)	3
Physics 101-Gen. Physics (Mechanics, Heat, and Sound) (I)	5
Physics 102-Gen. Physics (Light, Elec., and Magnetism) (II)	5
Pol. Sci. 150-American Government: Org. and Powers (I,II)	3
Speech 101-Principles of Effective Speaking (I,II)	3















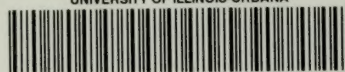








UNIVERSITY OF ILLINOIS-URBANA



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